

Student Name \_\_\_\_\_

Teacher Name \_\_\_\_\_

School \_\_\_\_\_

System \_\_\_\_\_

# ACH



# TENNESSEE

**Tennessee Comprehensive Assessment Program**  
**Achievement Test ~ Grade 4**  
**Practice Test**  
**Version B**



**PEARSON**

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# Introduction

## **What is the TCAP Achievement Test?**

The TCAP Achievement Test is a multiple-choice test designed to measure student achievement in certain skills in four content areas: Reading/Language Arts, Mathematics, Science, and Social Studies. The questions in this practice test are examples of items used in the actual test.

## **What are the questions testing?**

Questions are written to test student performance in state content standards. The State Content Standards and Performance Indicators were developed by the Tennessee Department of Education. These Standards and Performance Indicators are listed on the State Department of Education Web site at <http://www.state.tn.us/education/curriculum.shtml>.

## **Who will be tested?**

All students in grades 3 through 8 will be tested.

## **How long will the tests take?**

The length of the tests will vary, depending on the grade level. The time limits are generous and allow most students time to finish. Extended time limits only apply to students who are eligible for special or English Language Learner (ELL) accommodations.

## **How will the tests be scored?**

The test answers will be machine scored. Results from the test provide information about how well students performed on the content being tested.

## **May calculators be used?**

Calculators may be used on Part 1 and 2 of the mathematics portions of the TCAP Achievement Test (grades 3–8) as per system policy.

## **Which test accommodations may be used?**

The TCAP Achievement Test may be administered using various procedures that are used during the student's daily educational program. Certain conditions must be met for students to be eligible for Special and ELL accommodations.

## **What is the purpose of the practice test?**

In a classroom learning session, these questions can be used to prepare students for the actual test. Teachers can use the practice test to help familiarize students with the format of test questions and how the actual test will be administered. This practice test can also be used to inform parents of the type of test their children will be taking.

## **Here are some tips for preparing students for the test.**

Remind students to:

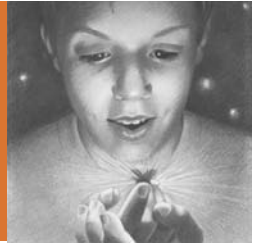
**Relax:** It is normal to be somewhat anxious before the test. Remember that the score is only one of a number of measures of performance.

**Listen:** Listen to and read the test directions carefully.

**Plan Use of Time:** First, answer all the questions you are sure about. Do not spend too much time on any one question. If a question seems to take too long, skip it and return to it later if you have extra time.

**Pause and Think:** If you are not sure how to answer a question, carefully read it again. Rule out answer choices that you know are incorrect and then choose from those that remain.

# Reading and Language Arts



## Part 1

**Directions** Read the passage. Then answer Numbers 1 through 8.

### Going Ape

**Eating, drinking, and being merry are all part of the day for these hairy “redheads.”**

*by Deborah Churchman*

**Eat . . .**

- 1 Think about this: Orangutans (oh-RANG-uh-tans) are the only great apes that live in trees all day. So nearly everything they do has to be done while balancing and hanging on. Good thing they’ve got four “hands” to help!
- 2 Orang babies have a great support system: Mom. Mom feeds her baby warm milk for its first four to seven years.
- 3 As her baby gets older, it gets very interested in what Mom is eating. Mom makes it baby food. But she doesn’t have a blender. Instead, when her baby asks for food, she uses her teeth. She chews the food and spits it out into baby’s mouth.
- 4 Fruit is the number one treat of oranges. They prefer durian fruit (which tastes like sweet, garlicky custard). But they’ll go for any fruit they can find, including mango.
- 5 It takes a good memory to live on fruit in these forests. The fruit trees grow far apart, and different kinds get ripe at different times. So oranges have to remember where and when to visit each tree. That’s one reason young oranges stay with their mothers for so long.
- 6 When they’re young, oranges hang on to their mother’s hair. Mom carries them through their forest home, teaching them what’s good to eat and what’s not. Orangs spend more than half their waking hours looking for food. That’s more time than you spend at school!

*Go On ►*



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7        These lessons are just as important as yours are — and just as hard. It can take 12 years for an orangutan to learn where all the different kinds of food can be found in its forest. Along the way, it's also learning how to take care of itself (just like you).

### **Drink . . .**

8        Fruit is juicy, so orangs get most of the water they need from their food. But if they're still thirsty, then what? There are no faucets or drinking fountains where they live.

9        Many orangs lick raindrops off leaves or look for other places where rainwater collects, such as in tree holes. Sometimes they chew leaves into a spongy wad and use that to soak up water.

10       When the rain comes down, Mom and Baby open their mouths and catch the drops. They also lick their hair after a rain to get water. But usually orangs don't like getting soaked. Sometimes they pick big leaves and wear them as rain hats!



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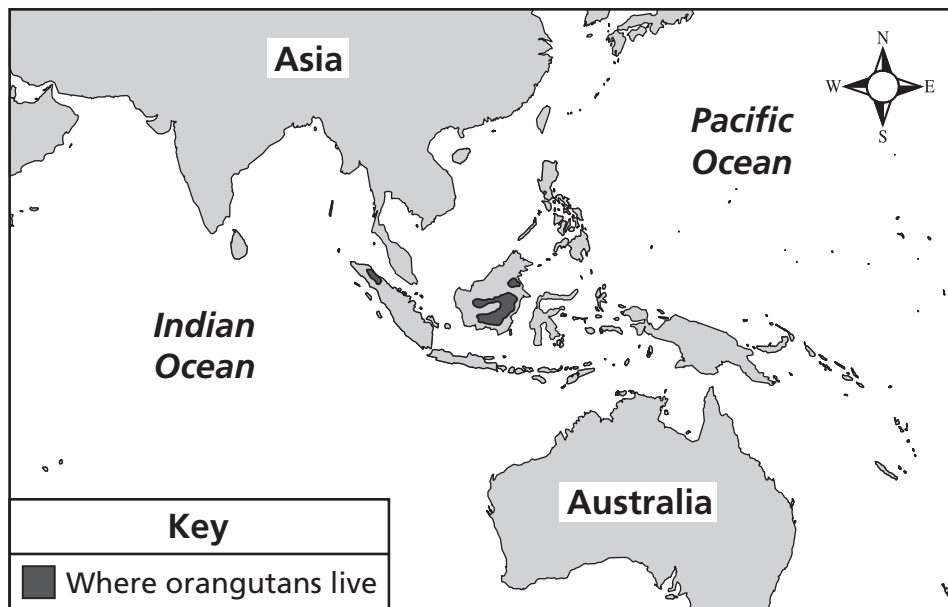
### **Be Merry!**

- 11 Sometimes orangutans just want to have fun. They swing and splash and play in lots of ways. At other times, what looks like play is just a great ape's way of surviving.
- 12 At the very hottest time of day, the big red ape hangs upside down from a vine and splashes water on its head. What a fun way to cool down!

### **Save the Great Apes**

- 13 Orangutans live only on the Southeast Asian islands of Borneo and Sumatra. Much of their rain forest home has been cut down, and there are very few patches of forest left where these apes can still live. Many people are working hard to try to save the great apes and their forests. Let's hope oranges can keep hanging on!

*Go On ►*



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- 1** Tina is writing a report about the foods orangutans eat. The source that will provide Tina with the most reliable facts is a
- A** story about an orangutan mother feeding her baby.
  - B** website about orangutans feeding in their natural habitat.
  - C** newspaper article about a new orangutan zoo exhibit.
  - D** book of photographs showing orangutans and other apes.

**2** Young orangutans stay with their mothers so long because they

- F** are not able to eat fruit until they are twelve years old.
- G** need to learn how to find and collect leaves.
- H** must help their mothers build a home beneath the trees.
- J** have to learn where and when to find food in the forest.

**3** Which sentence from this passage is an opinion?

- A** When they're young, orangs hang on to their mother's hair.
- B** These lessons are just as important as yours are — and just as hard.
- C** Sometimes they pick big leaves and wear them as rain hats!
- D** Many people are working hard to try to save the great apes and their forests.

**4** Gabrielle is reading a book about apes. Where should Gabrielle look to see if the book has information about orangutans?

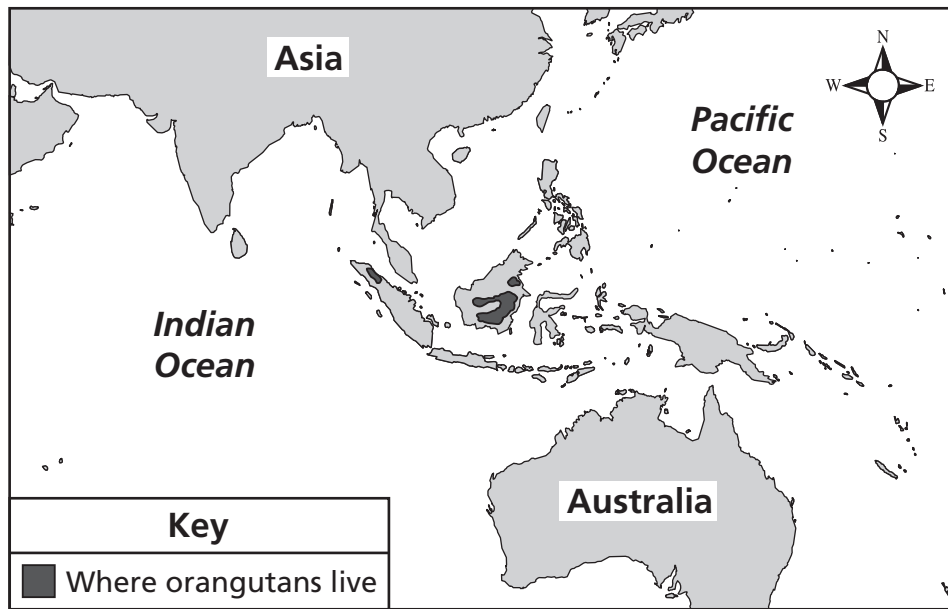
- F** the glossary
- G** the copyright page
- H** the title page
- J** the table of contents

**5** The bold headings in the passage help the reader to understand

- A** the kinds of places where orangutans live.
- B** the different topics covered in the passage.
- C** what the pictures in the passage are showing.
- D** how mother and baby orangutans survive.

*Go On ►*

**6** Study the map.



Which phrase best describes where orangutans live?

- F** on the mainland of Asia
- G** on the continent of Australia
- H** on both continents of Asia and Australia
- J** on islands between the mainlands of Asia and Australia

- 7** Look at this photograph from the passage.



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The photograph best helps the reader understand

- A** the way a baby orangutan learns from things around it.
- B** how baby orangutans hang onto the fur of their mothers.
- C** how baby orangutans look when they are hungry.
- D** the way a mother orangutan protects her baby.

- 8** Michela wants to learn more about keeping the rain forests safe. Which source would be best to use?

- F** a book titled *The Habits of Orangutans in the Rain Forest*
- G** a magazine article called “Saving Borneo’s Rain Forests: One Tree at a Time”
- H** a zoo web page about a new rain forest exhibit
- J** a video from the library about traveling to the rain forests

Go On ►

**Directions**

Liam wrote this book report for his reading class. It contains mistakes. Read the book report and answer Numbers 9 through 16.

### Mattie Miller for Mayor

1 *Mattie Miller for Mayor* is the best book I have ever read! Mr. Johnson, the city mayor, decides to turn the community playground into a parking lot. Mattie Miller, a ten-year-old boy, steps in to help. Mattie runs for mayor so he can save the playground.

2 Some people in the town think a mayor must be more old than Mattie. However, nobody can find a rule saying the mayor must be an adult. Mr. Johnson is shocked, but Mattie is thrilled. Mattie and his friends try to win everybody's vote. First, they wash the windows for the store owners on Main Street. After that, they help people with odd jobs. They plant flowers in the park. The whole town gets to know Mattie. Many people agree that the playground should be saved.

3 On the day of the election, everyone goes to the town square to find out who will win. Unfortunately, Mattie loses by only one vote! Mattie is confident he will be elected mayor. However, Mr. Johnson now understands how important the playground is to Mattie and the other kids. Mr. Johnson agrees not to tear it down. Everyone cheers for Mattie's success.

4 At the end of the book, Mattie is not disappointed about losing the election. The mayor will visit Mattie's school and speak at an assembly. Mattie's goal was to save the playground, and he did. Mr. Johnson shakes Mattie's hand and thanks Mattie for teaching him a valuable lesson. He says Mattie reminded him how important it is to always do the right thing. Mattie is proud that he did the right thing too.

5 I think everyone should read this book. It teaches readers that people can make a difference in their own towns.

**9** Read this sentence from Paragraph 2.

*Some people in the town think a mayor must be more old than Mattie.*

What is the correct way to write the underlined words?

- A** older
- B** oldest
- C** most older
- D** correct as is

**10** Liam made this chart while planning his book report.

<b>Title</b>	Mattie Miller for Mayor
<b>Characters</b>	Mattie Miller and Mr. Johnson
<b>Problem</b>	
<b>Solution</b>	Mattie helps the city save a special place.

Which phrase best completes Liam's chart?

- F** Mr. Johnson dislikes the neighborhood playground.
- G** Many children are counting on Mattie.
- H** Mattie is not old enough to run for mayor.
- J** Mr. Johnson wants to build a new parking lot.

**11** For which audience is this book report most likely written?

- A** city mayors
- B** adult voters
- C** young children
- D** playground workers

**12** Which sentence could best be added to Paragraph 4?

- F** Mattie mows the yards of many people in the neighborhood.
- G** Mattie made signs to convince people to vote for him.
- H** Mr. Johnson has been the city major for three years.
- J** Everyone will remember what Mattie did for the city.

**13** Read these sentences from Paragraph 3.

1. *On the day of the election, everyone goes to the town square to find out who will win.*
2. *Unfortunately, Mattie loses by only one vote!*
3. *Mattie is confident he will be elected mayor.*
4. *However, Mr. Johnson now understands how important the playground is to Mattie and the other kids.*

Which order is best for these sentences?

- A** 1, 4, 3, 2
- B** 1, 3, 2, 4
- C** 2, 1, 3, 4
- D** 2, 4, 1, 3

**14** Which sentence would be best to add to the end of Paragraph 1?

- F** He wants to save a special place in his hometown.
- G** Playgrounds are great places for families to play.
- H** Mattie Miller is only in the fourth grade.
- J** Two policemen say that they will vote for Mattie.

**15** Which sentence from Paragraph 4 is unnecessary and should be deleted?

- A** At the end of the book, Mattie is not disappointed about losing the election.
- B** The mayor will visit Mattie's school and speak at an assembly.
- C** Mattie's goal was to save the playground, and he did.
- D** Mr. Johnson shakes Mattie's hand and thanks Mattie for teaching him a valuable lesson.

**16** Which title would also be appropriate for this book report?

- F** All about Mr. Johnson
- G** Ten-Year-Old Boys
- H** Making a Difference
- J** Playgrounds Are Important

*Go On ►*

**Directions**

Read the drama. Then answer Numbers 17 through 24.

## Quiet as a Mouse

**CHARACTERS:**

**HENRY**, age 9

**SAM**, Henry's brother, age 7

**MOM**

**MR. SUN**, a mail carrier

**ELVIS**, a neighbor's dog

**MOUSE**, a dog

### SCENE 1

(Setting: HENRY and SAM's backyard. ELVIS can be heard barking.)

**HENRY:** (Tries to look over the fence.) Elvis sure is noisy. He must see a squirrel. I wonder if Elvis will bark at our new dog.

**MOM:** (Rolls her eyes.) Elvis is always barking. Whenever Mr. Sun delivers the mail, Elvis barks until Mr. Sun throws a treat over the fence. I don't think we should get a dog that barks quite so much, boys.

**SAM:** Mom! Mom! I know which kind of dog we should get.

**HENRY:** Wait a minute! I'm the oldest, so I should be the one to decide.

**MOM:** Let's hear what Sam has to say before getting upset, Henry.

**SAM:** Billy has a little white dog with fluffy fur. It chases its tail, which is really fun to watch!

**HENRY:** I don't want a dog like Billy's. Just because it chases its tail doesn't mean it will be a good dog. I want a dog like Aunt Lou's. Her dog has brown ears, and it can do a lot of tricks.

**MOM:** Boys, I know we will find a dog at the animal shelter that everyone in the family will like. Come on. Let's go!

### SCENE 2

(Setting: The animal shelter. MOM, SAM, and HENRY walk past the cages, looking at dogs.)

**MOM:** Do you boys see a dog you like?

**SAM:** (Points left.) Look at that fluffy white dog over there.

**HENRY:** That dog is just running around the cage, Sam. I told you I don't like that kind of dog.

**MOM:** Are there any dogs you do like, Henry?

**HENRY:** (Points to the right.) Hey, look over here! (MOM, SAM, and HENRY walk over to a different dog.) This dog doesn't look like the kind I wanted, but I think he likes me! (The dog licks HENRY's hand.) Let's get this dog!

**SAM:** (Looks at the dog, smiling.) Aww. I like him too! Can we get him, Mom?

### SCENE 3

(MOM, SAM, and HENRY are looking at their new dog in their backyard.)

**SAM:** Well, he's not white, little, or fluffy.

**HENRY:** And he doesn't have brown ears either! Let's find out if he knows any tricks.

**MOM:** Don't you think we should give him a name?

**SAM:** He's been so quiet. He has hardly barked. His tail keeps thumping the ground like a drum. Maybe we should call him "Drummer"!

**HENRY:** That's not a good name, Sam.

**MOM:** Since Henry picked out the dog, I think you should name him, Sam.

**SAM:** (Smiles.) He is as quiet as a mouse. Maybe we should name him "Mouse."

**HENRY:** Let's see if he likes it! Come here, Mouse! (The dog walks over to HENRY and licks his hand.)

**SAM:** Look, Mouse already knows his name! I knew he was smart!

**HENRY:** (Pets the dog and smiles.) Mouse is the perfect name.

**MOM:** Well, aren't you a clever dog. Let's see if you like to play. (She throws a ball.) Go get it, Mouse! (MOUSE does not move.)

**HENRY:** I guess we'll have to show him how to catch a ball.

(MR. SUN peeks around the corner of the house. He is holding a package in his hand.)

**MR. SUN:** Hello! I'm delivering a package today! Can you sign for it? (Sees the new dog.) What do we have here? Did you get a new friend? (Hands his clipboard to MOM, who signs it.)

**HENRY:** Hi, Mr. Sun. See our new dog? His name is Mouse.

**MR. SUN:** (Pets MOUSE while ELVIS barks in the background.) Aren't you friendly and quiet! I think I know how you got your name. I also think Elvis is calling me. See you tomorrow! (He hands MOM the package and hurries away.)

*Go On ►*

**HENRY:** I think we've found a great dog. Now all we have to do is go to the library and find a book about dog training. I'll bet Mouse can learn lots of tricks.

(MOUSE barks softly and wags his tail.)

**SAM:** I think Mouse wants to come to the library with us!

## CURTAIN

### 17 Read these lines from Scene 1.

***SAM:** Mom! Mom! I know which kind of dog we should get.*

***HENRY:** Wait a minute! I'm the oldest, so I should be the one to decide.*

***MOM:** Let's hear what Sam has to say before getting upset, Henry.*

Which word is the opposite of the underlined word?

- A** calm
- B** silly
- C** angry
- D** sad

### 18 Which lines from the drama best show that Mouse is a good name for the new dog?

- F** **HENRY:** Let's see if he likes it! Come here, Mouse!
- G** **MOM:** Well, aren't you a clever dog. Let's see if you like to play. (She throws a ball.) Go get it, Mouse! (MOUSE does not move.)
- H** **HENRY:** Hi, Mr. Sun. See our new dog? His name is Mouse.
- J** **MR. SUN:** (Pets MOUSE while ELVIS barks in the background.) Aren't you friendly and quiet!

**19** Which question can be answered while reading the drama?

- A** Which tricks can Aunt Lou's dog perform?
- B** Why does Sam want to name the dog Drummer?
- C** What did Billy name his dog?
- D** What is Sam's favorite type of dog?

**20** This drama takes place mostly

- F** in Sam's backyard.
- G** at the animal shelter.
- H** inside of Billy's house.
- J** at the city library.

**21** How do Henry and Sam resolve their differences about which dog to get?

- A** Mom tells the boys to choose a dog that does not bark like Elvis.
- B** They agree to choose a dog that everyone will like.
- C** Mom tells Sam to find the dog that he likes most.
- D** They agree that Henry should pick because he is older than Sam.

**22** In the future, Sam and Henry will most likely

- F** teach some new tricks to Mouse.
- G** go to the library with Mouse.
- H** find a new name for Mouse.
- J** get another dog like Mouse.

*Go On ►*

**23** “Quiet as a Mouse” can best be described as a drama because it

- A** involves different characters.
- B** contains stage directions.
- C** has rhyming words.
- D** has information about real events.

**24** Which sentence from the drama contains a simile?

- F** I wonder if Elvis will bark at our new dog.
- G** Look at that fluffy white dog over there.
- H** He has hardly barked.
- J** He is as quiet as a mouse.

**Directions**

Ashley wrote a story about her perfect day. It may contain mistakes. Read the story and answer Numbers 25 through 32.

### Time with Dad

(1) Last weekend, my dad asked me if I wanted too go fishing. (2) I was really excited because I had never been on a fishing trip. (3) We decided to go to Three Rivers Lake because it's usually very pretty during this time of the year.

(4) First we gathered our fishing supplies and packed them into the car. (5) Then we loaded our old canoe and paddles onto the top of the car. (6) During the drive too the lake, Dad told me a story about how excited he was the first time he caught a fish. (7) I laughed when he told me about falling out of the boat I do not want to take an unexpected swim!

(8) After arriving, us unpacked our supplies and put on our life jackets. (9) The water was even beautifuler than I remembered! (10) We pushed the canoe into the lake and climbed aboard. (11) Dad paddled us to his favorite fishing spot.

(12) My dad showed me how to put the bait onto my fishhook. (13) He showed me how to cast, or throw, the fishing line into the water. (14) I practiced casting the line a few times before I began fishing too.

(15) It seemed like a long wait, but I finally felt a tug on the fishing line. (16) I pulled in my line and seen what I caught. (17) They was a big sunfish! (18) Dad took a picture of me holding it. (19) Then he showed me how to gently take the fish off the hook and put it back into the water. (20) As the fish swam away, Dad explained that it's important for some fish too stay in the lake. (21) It was a perfect day with Dad!

**25 Read Sentence 8.**

*After arriving, us unpacked our supplies and put on our life jackets.*

Which word should be used in place of the underlined word?

- A** me
- B** we
- C** him
- D** them

*Go On ►*

**26** Which word from the story is a compound word?

- F** decided
- G** paddles
- H** fishhook
- J** important

**27** Read Sentence 4.

*First we gathered our fishing supplies and packed them into the car.*

Which sentence uses a comma correctly?

- A** First we gathered our fishing supplies, and packed them into the car.
- B** First we gathered, our fishing supplies and packed them into the car.
- C** First, we gathered our fishing supplies and packed them into the car.
- D** First we gathered our fishing supplies and, packed them into the car.

**28** Which sentence uses too correctly?

- F** Sentence 1
- G** Sentence 6
- H** Sentence 14
- J** Sentence 20

**29** Read Sentence 2.

*I was really excited because I had never been on a fishing trip.*

How should the underlined words be written as a contraction?

- A** I'ad
- B** Id'
- C** I'hd
- D** I'd

**30** Which would be the best topic sentence to add to the beginning of Paragraph 2?

- F** Dad and I prepared to go fishing.
- G** Fishing from a canoe can be difficult.
- H** Dad likes to tell me fishing stories.
- J** A lake is the best place to go fishing.

**31** Read Sentence 12.

\_\_\_\_\_, *my dad showed me how to put the bait onto my fishhook.*

Which transitional word or words best fill in the blank?

- A** Suddenly
- B** For example
- C** The next day
- D** Before long

*Go On ►*

**32** Ashley wants to give her story a new title. Which title will best fit the story?

- F** The Sport of Fishing
- G** A Visit to the Beach
- H** My First Fishing Trip
- J** Caring for My Sunfish

**Directions** Read and answer Numbers 33 through 38.

**33** Which sentence uses quotation marks correctly?

- A** “Are you ready for the spelling bee?” Mom asked.
- B** “Josh replied, I think so.”
- C** “You’ll do fine,” Mom said, as long as you don’t worry.”
- D** “I hope you’re right”, Josh told her.

**34** Read the table of contents from a book about kangaroos.

<i>Chapter 1</i>	<i>Living in the Wild</i>
<i>Chapter 2</i>	<i>Finding Food</i>
<i>Chapter 3</i>	<i>Baby Kangaroos</i>
<i>Chapter 4</i>	<i>Staying Safe</i>

Which chapter would provide information about the size of a kangaroo when it is born?

- F** Chapter 1
- G** Chapter 2
- H** Chapter 3
- J** Chapter 4

*Go On ►*

**35** Read these steps for making a chocolate banana milkshake.

1. *Combine banana chunks, milk, vanilla ice cream, and chocolate syrup in a blender.*
2. *Blend until all ingredients are creamy and smooth.*
3. *Once the banana is frozen, cut into large chunks.*
4. *Pour into glasses and top with whipped cream and chocolate chips.*
5. *Place a banana in the freezer for several hours.*

**What is the correct order of the steps for making a chocolate banana milkshake?**

- A** 1, 2, 5, 4, 3
- B** 5, 1, 2, 3, 4
- C** 1, 5, 2, 4, 3
- D** 5, 3, 1, 2, 4

**36** Look at the picture.



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**What is the main idea of the picture?**

- F** The girls are waving to their friends.
- G** The girls are cheering for their teammates.
- H** The girls are shouting because they are angry.
- J** The girls are waiting to be picked up from school.

**37** Which resource is available to fourth graders today but was not available when their grandparents were in the fourth grade?

- A** recorded music
- B** news reports
- C** magazine articles
- D** online dictionary

*Go On ►*

**38** A story that has been told out loud and shared with family members for several generations is most likely

**F** a fable.

**G** a fairy tale.

**H** a folktale.

**J** a myth.

**STOP** 

**DO NOT  
MARK  
ON THIS  
PAGE**

## Part 2

**Directions** Read the passage. Then answer Numbers 39 through 43.

### Pilot Dream

1 “Raining again?” Carlos sighed. All week he had dreamed about what he would do on Saturday. He would fly his model airplanes in the spring sunshine. He would also fly his new airplane kite, and maybe he would even walk to the ice cream shop. Unfortunately, a rainy Saturday would not be any good for airplanes or kites or ice cream.

2 Carlos stared through the raindrops on the apartment window. The only person outside was his neighbor Mrs. Giles. She was carrying newspapers to the recycling bin. All Carlos really knew about her was that she liked to knit. Mrs. Giles had once ordered a knitting magazine from him during his school fundraiser.

3 Carlos watched Mrs. Giles struggle to carry the newspapers. Suddenly she stumbled, dropping the newspapers into a puddle.

4 Carlos grabbed his raincoat and dashed out the door. “Do you need help, Mrs. Giles?” he called.

5 Mrs. Giles looked up. “Thank you, Carlos,” she said.

6 Carlos helped Mrs. Giles walk back into her apartment. Then he picked up the soaked newspapers and put them in the recycling bin.

7 “Do you have other papers you’d like me to take out?” Carlos called as Mrs. Giles watched him from her doorway.

8 “I guess I do need more help than I like to admit,” Mrs. Giles sighed.

9 Mrs. Giles invited Carlos into her apartment. He picked up the stack of newspapers by the door and noticed a pile of magazines on the floor. He saw several copies of *Knitting Projects*. To his surprise, he also saw a few copies of *Aviation News*.

10 “Mrs. Giles, do you read *Aviation News*?” Carlos asked. “That wasn’t one of the magazines I was selling.”

11 “No, it wasn’t, dear,” Mrs. Giles smiled. “But I like to stay current in my profession, even if I am retired.”

12 “What was your profession?” Carlos asked. “I guess I don’t know much about you other than you like to knit.”

13 “I do like to knit,” Mrs. Giles said. “I started knitting when I worked as an airline pilot.”

14 Carlos’s mouth dropped open. He stared at Mrs. Giles. “Really? You were a pilot?” he asked.

15 “Yes, really!” Mrs. Giles exclaimed. “In fact, I was one of the first female airline pilots in the country.”

16 “Wow! That’s amazing. So what does knitting have to do with being a pilot?” Carlos asked.

17 “When I was working as a pilot and away from home, knitting gave me something to do. I would knit sweaters for my son. Now he is a pilot too,” Mrs. Giles said proudly.

18 “I want to be a pilot,” Carlos said quickly. “I’ve never been in an airplane, but I make model airplanes that really fly.”

19 “I’m so glad to learn that we have something in common,” Mrs. Giles said. “Perhaps when the weather clears up, you can show me your model airplanes.”

20 “Sure!” agreed Carlos. “If you have any pictures of yourself flying, I’d like to see those too.”

21 Over the next few weeks, Carlos and Mrs. Giles became good friends.



22 One Saturday, Carlos heard a knock at his apartment door. Mrs. Giles was standing outside with a tall man.

23 “Carlos, this is my son, Ron,” Mrs. Giles said. Carlos remembered his manners and shook hands. “Nice to meet you,” Carlos said.

*Go On ►*

- 24 Ron told Carlos about an idea he had. “My mother said you were interested in becoming a pilot. I was wondering if you and your family would like to come with us to take a tour of my airplane today.”
- 25 “Would we?” Carlos ran into the kitchen to ask his mother. Carlos and his mother both came to the door.
- 26 “Come in!” she said, welcoming them into the living room. “Nice to see you again, Mrs. Giles. Thank you both for this opportunity. Do you mind waiting while we get our things together to go with you?”
- 27 After the tour, Carlos put the last bit of paint on one of his models. It was a large airliner. Carlos looked at all of the instruments inside the tiny pilot’s cabin and happily remembered his tour.
- 28 When his mother came into his room at bedtime, Carlos said, “Mom, when can I go to pilot school?” His mother laughed. “Let’s see if you can finish fourth grade before you make plans for the next step!” Carlos laughed with her and then fell asleep dreaming about airplanes.

### 39 Read Paragraph 3.

*Carlos watched Mrs. Giles struggle to carry the newspapers. Suddenly she stumbled, dropping the newspapers into a puddle.*

Which word is a synonym for stumbled?

- A stood
- B yelled
- C turned
- D tripped

**40** Read these sentences from Paragraph 26.

*“Thank you both for this opportunity. Do you mind waiting while we get our things together to go with you?”*

What does the word opportunity mean?

- F** help
- G** prize
- H** chance
- J** promise

**41** Read this sentence from Paragraph 1.

*Unfortunately, a rainy Saturday would not be any good for airplanes or kites or ice cream.*

The prefix un- in the underlined word helps the reader understand that Carlos feels as if he

- A** is without luck.
- B** is mostly lucky.
- C** needs extra luck.
- D** has just found luck.

*Go On ►*

**42** Read Paragraphs 12 and 13.

*“What was your profession?” Carlos asked. “I guess I don’t know much about you other than you like to knit.”*

*“I do like to knit,” Mrs. Giles said. “I started knitting when I worked as an airline pilot.”*

What does the word profession mean?

- F** job
- G** plan
- H** hobby
- J** problem

**43** Mrs. Giles first started knitting because she

- A** read about it in a magazine.
- B** needed a hobby after she retired.
- C** saw that her son needed warm clothes.
- D** wanted a hobby to do while away from home.

**Directions**

Read the poem. Then answer Numbers 44 through 49.

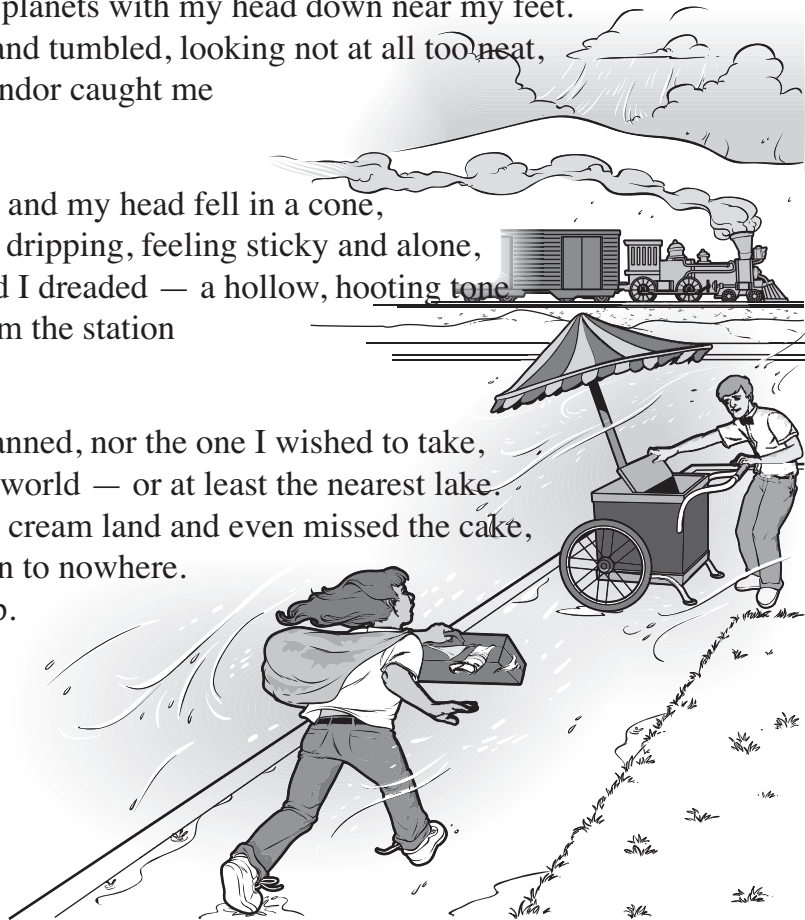
## Trip

I never should have hurried as I ran to catch the train,  
With my bag across my shoulders in the whipping wind and rain,  
But I felt a little worried I'd be left behind again,  
When my foot caught on the sidewalk  
5 I tripped.

My suitcase flew toward traffic, and my shoes stayed by the street,  
My legs revolved like planets with my head down near my feet.  
I flipped and flopped and tumbled, looking not at all too neat,  
When an ice cream vendor caught me  
10 As I tripped.

I landed in his freezer, and my head fell in a cone,  
I stood with ice cream dripping, feeling sticky and alone,  
Then I heard the sound I dreaded — a hollow, hooting tone  
As the train pulled from the station  
15 After I tripped.

It was not the trip I planned, nor the one I wished to take,  
For I hoped to see the world — or at least the nearest lake.  
Instead I'd gone to ice cream land and even missed the cake,  
On that long-gone train to nowhere.  
20 I missed the whole trip.



Go On ►

**44** Why is the speaker worried at the beginning of the poem?

- F** She wants to buy an ice cream cone before getting on the train.
- G** She is unhappy about getting wet from the rain.
- H** She is tired of carrying her heavy suitcase.
- J** She is afraid the train will leave without her.

**45** Read this analogy based on the passage.

*Dreaded is to feared as grinned is to \_\_\_\_\_.*

Complete the analogy.

- A** wondered
- B** rejoiced
- C** played
- D** smiled

**46** Which word best describes the speaker at the end of the poem?

- F** upset
- G** nervous
- H** amused
- J** peaceful

**47** Which event happens after the speaker lands in the ice cream freezer?

- A** She trips on the sidewalk.
- B** She is caught by the ice cream vendor.
- C** She loses her suitcase.
- D** She hears the train whistle.

**48** Which line from the poem contains a simile?

- F** When my foot caught on the sidewalk
- G** My legs revolved like planets with my head down near my feet.
- H** I landed in his freezer, and my head fell in a cone,
- J** Then I heard the sound I dreaded — a hollow, hooting tone —

**49** Which two words from the poem rhyme?

- A** sidewalk, tripped
- B** flipped, foot
- C** alone, tone
- D** feet, train

*Go On ►*

**Directions**

John received this letter from his pen pal in Morocco. Read the letter and answer Numbers 50 through 58.

April 27, 2011

*Salaam* (sa-lahm), John!

(1) This is how we say hello to each other in Arabic. (2) Thank you for telling me about your life in the United States. (3) Reading about your family's grocery store interesting.

(4) Let me tell you about my family's shop. (5) Our spice shop is in the *souk*, or marketplace. (6) The shop has been in our family for many generations. (7) Our shop is very colorful because of the spices. (8) Did you know that some spices are yellow, red, or even purple? (9) Every day before I leave for school I help arrange the baskets of spices outside our shop. (10) The streets are narrow here, so cars cannot drive on them. (11) Our spices is delivered by donkey instead. (12) In the afternoon, I sit behind the counter and do my homework.

(13) You asked about the subjects I study at school. (14) I take English, French, and Arabic lessons. (15) Some of my friends study Spanish too. (16) It is quite helpful to speak more than one language in Morocco. (17) People from all over the world come into our shop. (18) That is how I learned my first words in English! (19) Now I speak and write English so well that I can help my father with our customers.

(20) I am so glad to hear that you also play football, or soccer as you call it in the United States! (21) It is the most popular sport in Morocco. (22) My friends and I play in the alleyways of the *medina*, which is the older part of our city.

(23) I hope someday you can come visiting me in Morocco. (24) Mint tea is a very common drink in Morocco. (25) You can try them when you come. (26) We can play soccer, and I can give you a cup of tea!

Your *sadiq* (sa-deek), or friend,  
Hasan

**50** Read Sentences 24 and 25.

*Mint tea is a very common drink in Morocco. You can try them when you come.*

What is the correct replacement for the underlined word?

- F** they
- G** he
- H** you
- J** it

**51** Read Sentence 11.

*Our spices is delivered by donkey instead.*

What is the correct way to write the underlined words?

- A** be delivered
- B** are delivered
- C** was delivered
- D** correct as is

**52** Which word from the letter is a compound word?

- F** marketplace
- G** counter
- H** language
- J** customers

*Go On ►*

**53** Read Sentence 23.

*I hope someday you can come visiting me in Morocco.*

**Choose the correct way to write the underlined words.**

- A** come visit
- B** come visits
- C** came visited
- D** coming visiting

**54** Which sentence from the letter is an interrogative sentence?

- F** Our shop is very colorful because of the spices.
- G** Did you know that some spices are yellow, red, or even purple?
- H** Some of my friends study Spanish too.
- J** That is how I learned my first words in English!

**55** Read Sentences 2 and 3.

*Thank you for telling me about your life in the United States. Reading about your family's grocery store interesting.*

**What is the correct way to write the underlined sentence?**

- A** Read about your family's grocery store interesting.
- B** I read about your family's grocery store and interesting.
- C** Reading about your family's grocery store is interesting.
- D** To read about your family's grocery store interesting.

**56** Read Sentences 13 and 14.

*You asked about the subjecks I study at school. I take English, French, and Arabic lessons.*

Which underlined word is spelled incorrectly?

- F** asked
- G** subjecks
- H** study
- J** lessons

**57** What is Hasan's main purpose for writing this letter?

- A** to entertain John with stories about football
- B** to inform John about life in Morocco
- C** to share experiences with John about drinking tea
- D** to inform John about taking Arabic lessons

**58** Which additional detail best supports the ideas in Paragraph 2?

- F** I would love to learn how to speak another language.
- G** I play football in my backyard with some of my friends.
- H** Sometimes people riding bicycles bring the spices to us.
- J** You seem to have many spices available in your grocery stores.

*Go On ►*

**Directions**

Claire gave this speech to the fourth-grade classes at her school. Read the speech and then answer Numbers 59 through 67.

## Vote for Claire

- 1 Hello, fourth graders! My name is Claire Chin. I want to be your class representative. A representative is a person who speaks for a group of people. If you choose me as your representative, I will share your ideas for improving our school with other school leaders. Here are some other reasons why you should vote for me during Friday's election.
- 2 I know Garson Elementary School. I have been a student here since I was in kindergarten. I know my way around our school. I also know most of the teachers and students. I believe Garson is a great place to learn. However, I believe that there are some things that can be improved. If you vote for me, I promise to help all of Garson's fourth graders by making our school even better.
- 3 I am responsible. Our teachers tell us that being in fourth grade is a big job because the younger students look up to us. We are expected to be more dependable than the other kids. I try to be responsible in all that I do. I come prepared for class and turn in my homework each day. I study for tests. I return my library books on time. I try to set a good example for the other students, which would make me an excellent representative.
- 4 I think we should have more rights since fourth graders have greater responsibilities. We should have choices during recess. It is great that fourth graders still have free time each day. It would be nice if we could choose what to do during that time, though. Right now, all students must go to the playground during recess. We aren't allowed to go to the library or to study in the classroom. Many of us have asked to do something else, but the answer is always no.
- 5 I will ask for change. If you vote for me, I will ask to have the playground-only rule changed for the fourth and fifth graders. I will explain how going to the library could help us with our projects and reading goals. Using the classroom during this time would also help us finish our work at school. Sometimes we don't have enough time to complete our work during class. Maybe teachers would even trade with each other to watch students in the classroom instead of outside. This simple change would help many students.



### My friends and I study at the library.

- 6 I don't just want to change rules, though. The fourth graders could also plan a school event together. For example, I suggest planning a science fair. We study electricity, weather, and sound. We could build some fantastic projects about these topics and then display them for the whole school. Our parents and friends could see how much we learn in fourth grade.
- 7 If you vote for me, I promise to ask for these two changes right away. I will suggest having choices for our recess. I will also ask our principal and teachers for permission to have a science fair. These two changes would make Garson Elementary School an even better place for everyone.
- 8 Thank you very much for listening. I hope you'll vote for me in the school election on Friday. Remember to vote for Claire Chin! I am your representative for change!

**59** Read these sentences from Paragraph 6.

*We study electricity, weather, and sound. We could build some fantastic projects about these topics and then display them for the whole school. Our parents and friends could see how much we learn in fourth grade.*

What does the word fantastic mean?

- A** new
- B** quick
- C** strange
- D** wonderful

**60** What is the main reason students should vote for Claire?

- F** She wants to share her ideas.
- G** She feels proud of her school.
- H** She wants to change certain activities.
- J** She thinks older students need free time.

**61** When Claire is giving her speech, what should students do if they have questions?

- A** ask the people sitting nearby for answers
- B** help Claire notice them by waving their hands
- C** ask Claire their questions after the speech ends
- D** show interest in the speech by calling out questions

**62** Choose the best summary of the speech.

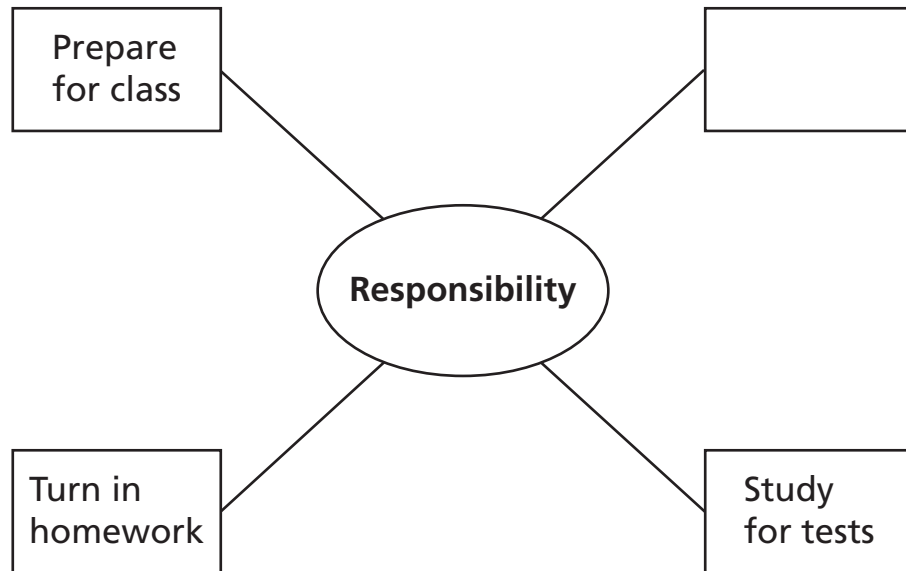
- F** Claire wants students to vote for her during Friday’s election. She thinks she is a good example for other students.
- G** Claire wants students to vote for her to be the class representative. She gives students several reasons that show why she would be a good choice.
- H** Claire wants to be the class representative. She plans to share ideas for improving the school with teachers.
- J** Claire wants to be a leader for her class. She has been a student at Garson Elementary School since she was in kindergarten.

**63** Fourth-grade students are planning a science fair project on winter weather. The best source to find information would be a

- A** video titled *How Snowflakes Form*.
- B** television report that tells about a winter storm.
- C** journal article titled *Winter Sports are Fun*.
- D** website that explains how to make paper snowflakes.

*Go On ►*

**64** Look at the diagram based on Claire's speech.



Which idea belongs in the empty square?

- F** Return library books on time
- G** Work with younger students
- H** Play outside during recess
- J** Enjoy the fourth grade

**65** Claire wants to change the word “hello” in her speech to a more interesting phrase with the same meaning. Which source would be best to use?

- A** glossary
- B** thesaurus
- C** dictionary
- D** encyclopedia

**66** Which question is answered by information in Claire’s speech?

- F** When does the class representative meet with other students?
- G** How many students want to be the class representative?
- H** Who chooses the person to be the class representative?
- J** How many class representatives does each grade have?

**67** Choose the sentence from Claire’s speech that best states the main idea.

- A** A representative is a person who speaks for a group of people.
- B** If you choose me as your representative, I will share your ideas for improving our school with other school leaders.
- C** Our teachers tell us that being in fourth grade is a big job because the younger students look up to us.
- D** Thank you very much for listening.

*Go On ►*

**Directions**

Read the poem. Then answer Numbers 68 through 71.

## Whale Watching

When I watch a whale, it's the fluke that thrills.  
It's the fluke of the whale that gives me the chills.

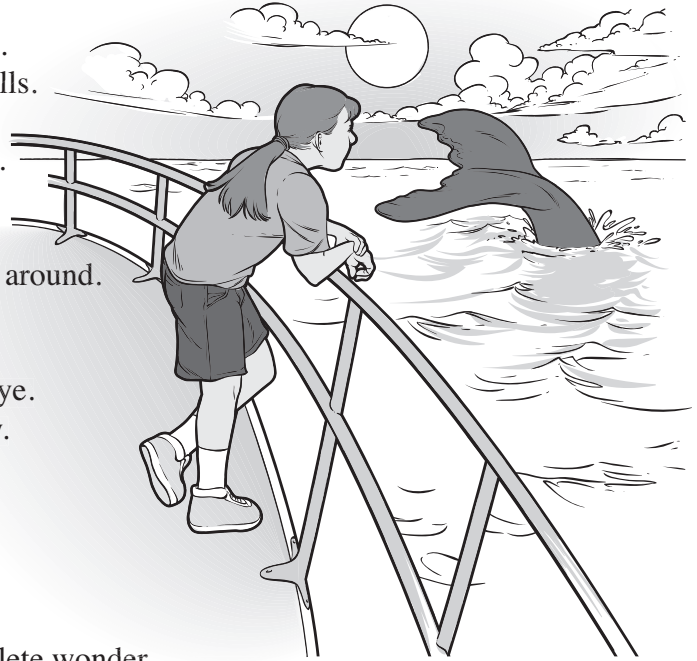
The fluke is the tail that the whale can lift high.  
His fluke is a hand reaching up to the sky.

- 5 You can see when it happens, the whale swims around.  
And then it turns and dives, undersea-bound.

When a whale first surfaces, what I see is his eye.  
But it's the fluke in the air, that's the last to spy.

- 10 First I see his eye, his body, his fin.  
I see him jump, and I see him spin.

Then I see him dive back down under.  
His fluke pops up — and there I stand in complete wonder.

**68** Read Line 7.

*When a whale first surfaces, what I see is his eye.*

The word surfaces tells the reader that the whale is

- F** traveling.
- G** playing.
- H** moaning.
- J** appearing.

**69** Read the analogy based on the poem.

*Jump is to leap as spin is to \_\_\_\_\_.*

- A** race
- B** land
- C** float
- D** twist

**70** The author most likely wrote this poem to

- F** share feelings with readers about the wonder of watching whales.
- G** persuade readers to go whale watching.
- H** inform readers about the different parts of a whale.
- J** entertain readers with a story about a whale that behaves strangely.

**71** Read Line 1.

*When I watch a whale, it's the fluke that thrills.*

This line contains an example of

- A** repetition.
- B** rhyme.
- C** alliteration.
- D** simile.

*Go On ►*

**Directions** Read and answer Numbers 72 through 75.

**72** Diego is planning a report about Alaska. He would like to find a map showing where Alaska is located. Which source is best for Diego to use?

- F** an encyclopedia
- G** a thesaurus
- H** a dictionary
- J** an atlas

**73** Hector is writing a report on jazz music. Which source will best help Hector with his report?

- A** a video titled *You Can Be a Jazz Music Star*
- B** a newspaper article about a jazz music concert at a local theater
- C** a nonfiction book titled *The History of Jazz Music*
- D** a short story about a girl who becomes a jazz music singer

**74** Olivia will be giving a presentation about President Thomas Jefferson. Which medium will be best to include as part of her presentation?

- F** a poster of important tasks Thomas Jefferson completed while he was president
- G** a map showing all of the places Thomas Jefferson wanted to visit
- H** a recording of Olivia talking about Thomas Jefferson
- J** a drawing Olivia made of Thomas Jefferson as president

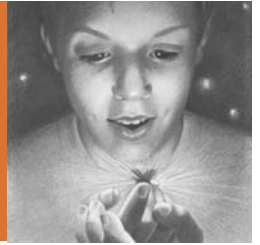
**75** Which activity can be done by fourth graders today, but probably could not have been done when their grandparents were in the fourth grade?

- A** watch a show on television
- B** take a picture with a camera
- C** contact a friend using e-mail
- D** listen to a song on the radio

**STOP** 

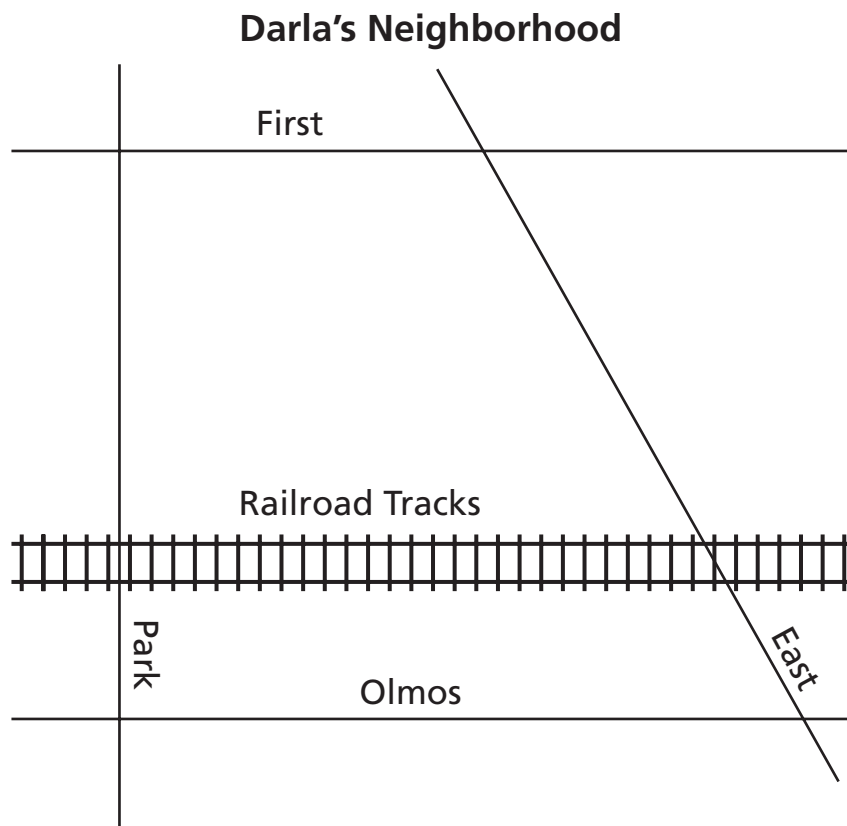
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# Mathematics



## Part 1

- 1** A map of Darla's neighborhood is shown below.



Darla lives on a street shown on this map that is perpendicular to the railroad tracks. On which street does Darla live?

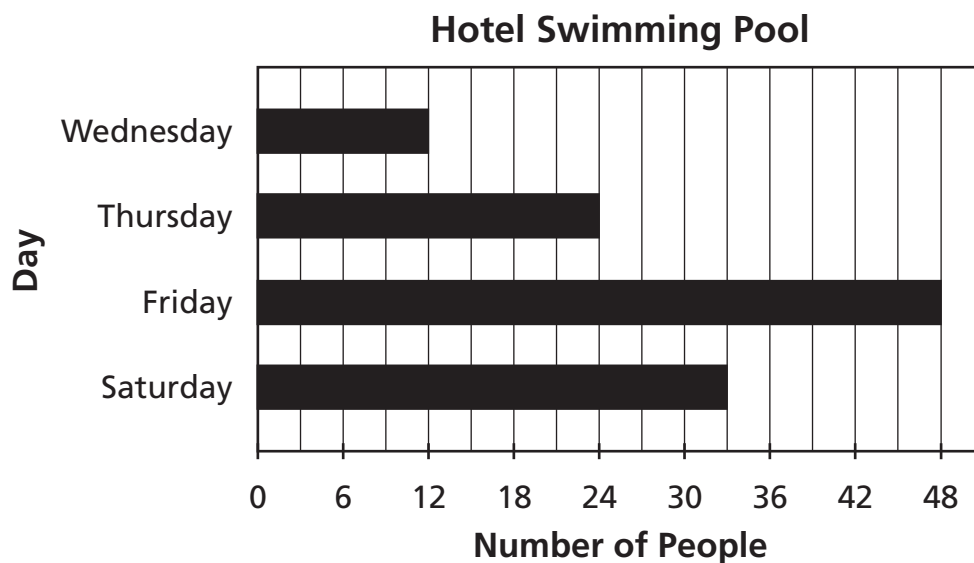
- A** East
- B** First
- C** Olmos
- D** Park

*Go On ►*

- 2** A librarian had a total of 390 bookmarks in boxes. Each box contained 30 bookmarks. Exactly how many boxes did the librarian have?

**F** 420  
**G** 360  
**H** 13  
**J** 12

- 3** The graph below shows the number of people who used a hotel swimming pool on each of four days.



Which is the best estimate of the difference between the combined number of people who used the pool on Thursday and Friday and the combined number of people who used the pool on Wednesday and Saturday?

**A** 110  
**B** 100  
**C** 30  
**D** 20

**4** Which number sentence uses the associative property to show that  $(5 + 8) + 12 = 25$ ?

**F**  $(5 + 8) + 12 = 12 + (5 + 8)$

**G**  $(5 + 8) + 12 = 5 + (8 + 12)$

**H**  $(5 + 8) + 12 = 5 + (25 + 12)$

**J**  $(5 + 8) + 12 = (5 + 8) + (5 + 12)$

**5** Solve:  $\$50.00 - \$18.42 =$

**A** \$48.42

**B** \$41.58

**C** \$32.68

**D** \$31.58

**6** How is four hundred twenty thousand, three hundred six written in standard form?

**F** 420,306

**G** 42,360

**H** 42,306

**J** 4,236

*Go On ►*

- 7** Carol had 48 jellybeans to put on cupcakes. She put  $j$  jelly beans on each cupcake. Which expression best represents the number of jelly beans Carol put on each cupcake?

- A**  $48 \div j$
- B**  $48 \times j$
- C**  $48 - j$
- D**  $48 + j$

- 8** The model below shows the dimensions of the bottom of a drawer.



$$\text{Area} = \text{length} \times \text{width}$$

What is the area of this model?

- F** 60 square inches
- G** 120 square inches
- H** 655 square inches
- J** 675 square inches

**9** Which number is a common multiple of 4 and 8?

**A** 12

**B** 24

**C** 36

**D** 44

**10** What is one way to show that the number sentence below is true?

$$3(6 + 8) = 42$$

**F**  $3(6 + 8) = (3 + 6) + (3 + 8)$

**G**  $3(6 + 8) = (3 + 6) \times (3 + 8)$

**H**  $3(6 + 8) = (3 \times 6) \times (3 \times 8)$

**J**  $3(6 + 8) = (3 \times 6) + (3 \times 8)$

*Go On ►*

**11** The list below shows the heights of four bean plants.

- Plant S: 0.75 meter
- Plant T:  $\frac{1}{4}$  meter
- Plant U: 0.6 meter
- Plant V:  $\frac{4}{5}$  meter

Which bean plant is the tallest plant?

- A** Plant S
- B** Plant T
- C** Plant U
- D** Plant V

**12** Multiply:  $638 \times 26 =$

- F** 16,588
- G** 16,348
- H** 5,104
- J** 4,954

- 13** The list below shows the number of hits a baseball player had during each of four years.

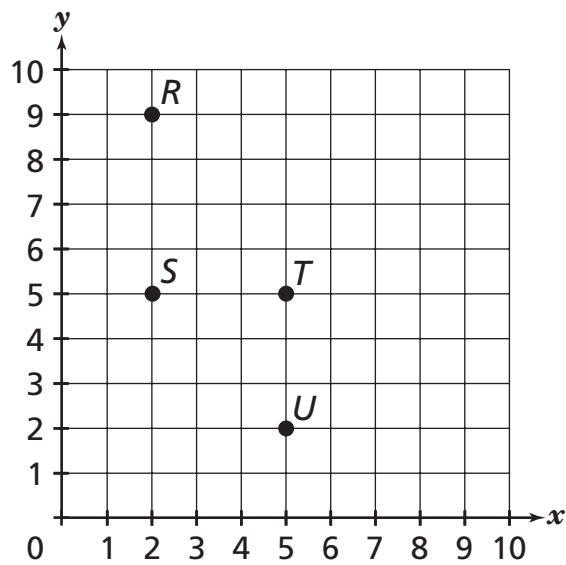
- Year 1 — 191
- Year 2 — 41
- Year 3 — 159
- Year 4 — 144

Which estimate is closest to the total number of hits the baseball player had during these years?

- A** 700
- B** 530
- C** 520
- D** 300

*Go On ►*

- 14** A coordinate grid is shown below.



Which point is located at (2, 5)?

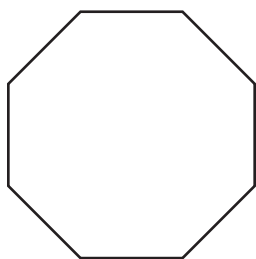
- F** Point *R*
- G** Point *S*
- H** Point *T*
- J** Point *U*

- 15** Which number sentence is true?

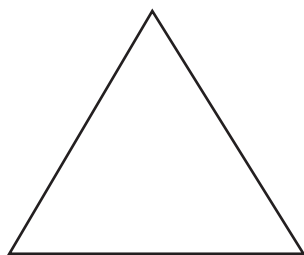
- A**  $\frac{1}{3} < \frac{1}{5}$
- B**  $\frac{3}{4} > \frac{6}{8}$
- C**  $\frac{1}{3} > \frac{1}{5}$
- D**  $\frac{3}{4} < \frac{6}{8}$

- 16** Emilio drew a figure with only acute angles. Which figure could be the one Emilio drew?

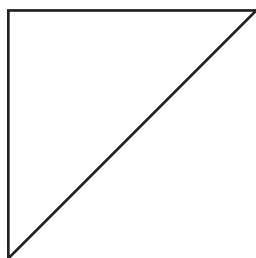
**F**



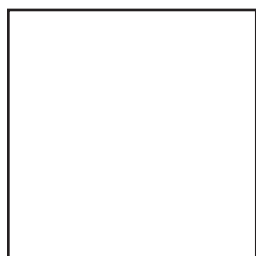
**G**



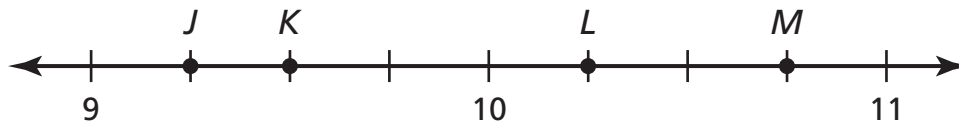
**H**



**J**



- 17** Which point best represents  $10\frac{3}{4}$  on the number line below?



- A** Point *J*
- B** Point *K*
- C** Point *L*
- D** Point *M*

- 18** Charles has a number machine that changes numbers based on a rule. The table below shows some numbers that were put into the number machine and the numbers that came out of the number machine.

**Number Machine**

In	Out
14	5
16	7
18	9
20	11
22	13

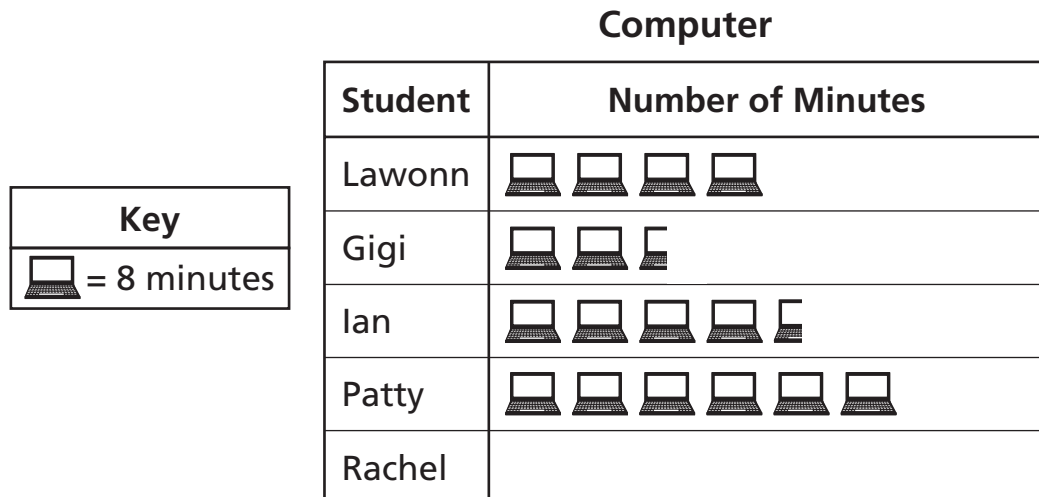
Each number that came out of the number machine is

- F** 11 less than the number that went into the number machine.
- G** 9 more than the number that went into the number machine.
- H** 9 less than the number that went into the number machine.
- J** 2 more than the number that went into the number machine.
















**19** Hakeem measured the distance between his classroom and the library at his school. Which unit is best to use when measuring this distance?

- A** centimeters
- B** kilometers
- C** yards
- D** miles

- 20** The pictograph below shows the numbers of minutes 4 out of 5 students spent using a computer.



These 5 students spent a total of 144 minutes using the computer. Which row correctly shows the number of minutes Rachel spent using the computer?

- F** Rachel        
- G** Rachel    
- H** Rachel  
- J** Rachel 

**21** The race times for two students are shown below.

- Felix ran the race in 11 seconds.
- Sarah ran the race in 9.8 seconds.

What is the difference between these two race times?

- A** 1.2 seconds
- B** 2.8 seconds
- C** 8.2 seconds
- D** 8.7 seconds

**22** Which number has a 3 in the hundreds place?

- F** 130,510
- G** 210,340
- H** 300,415
- J** 500,135

**23** Which list shows only multiples of 6?

- A** 24, 36, 48, 72
- B** 18, 24, 38, 46
- C** 16, 26, 46, 56
- D** 1, 2, 3, 6

*Go On ►*

**24** How many milliliters are equivalent to 45 liters?

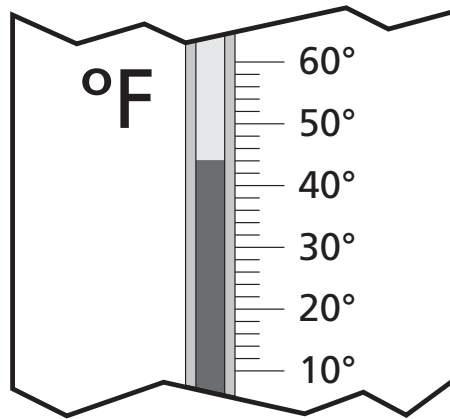
$$1 \text{ liter} = 1,000 \text{ milliliters}$$

- F** 45,000 milliliters
- G** 4,500 milliliters
- H** 450 milliliters
- J** 45 milliliters

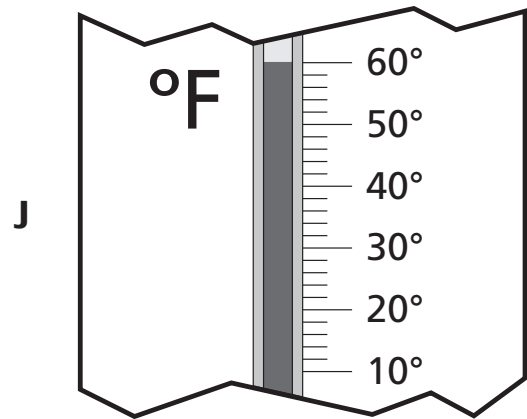
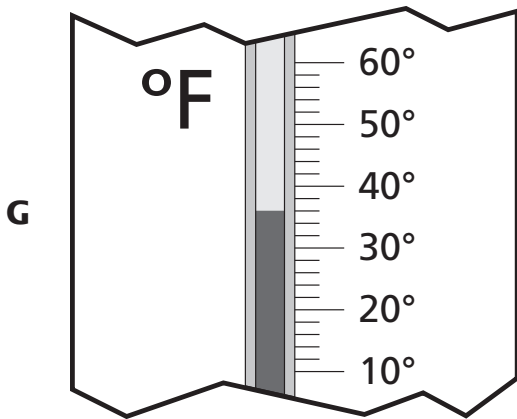
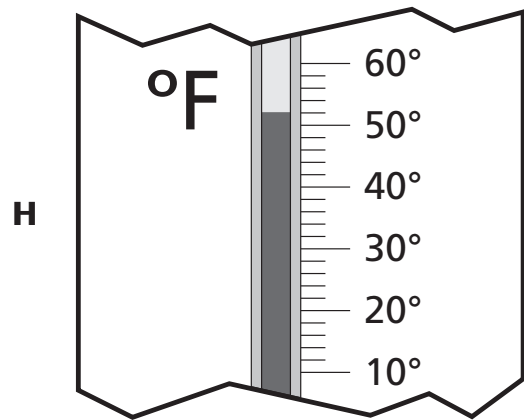
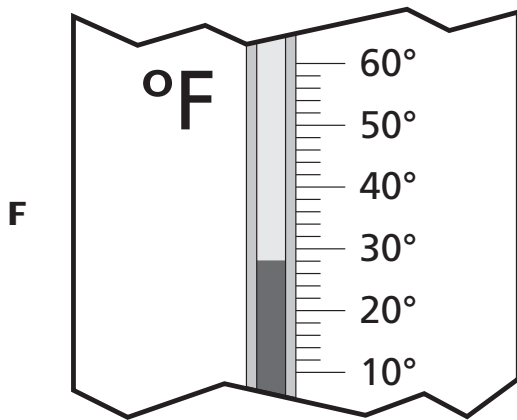
**25** Oliver has 20 snack bags. He put  $p$  pieces of cheese into each bag. Which expression best represents the total number of pieces of cheese Oliver put into these bags?

- A**  $20 - p$
- B**  $p + 20$
- C**  $20 \div p$
- D**  $p \times 20$

The thermometer below shows the temperature outside when Hailey went to sleep.



When Hailey woke up the next morning, the temperature had decreased 8°F. Which thermometer shows the temperature when Hailey woke up?



**27** Which number is equivalent to  $\frac{17}{5}$ ?

- A** 3.2
- B** 3.4
- C** 3.5
- D** 3.7

**28** Rebecca has two pieces of ribbon.

- She has a piece of blue ribbon that is  $\frac{1}{3}$  inch long.
- She has a piece of yellow ribbon that is  $\frac{3}{4}$  inch long.

What is the total length of these two pieces of ribbon?

- F**  $\frac{1}{3}$  inch
- G**  $\frac{4}{7}$  inch
- H**  $1\frac{1}{12}$  inches
- J**  $1\frac{1}{3}$  inches

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## Part 2

**29** Which comparison is true?

**A**  $\frac{2}{8} > \frac{1}{4}$

**B**  $\frac{1}{4} = \frac{3}{12}$

**C**  $\frac{2}{8} = 0.28$

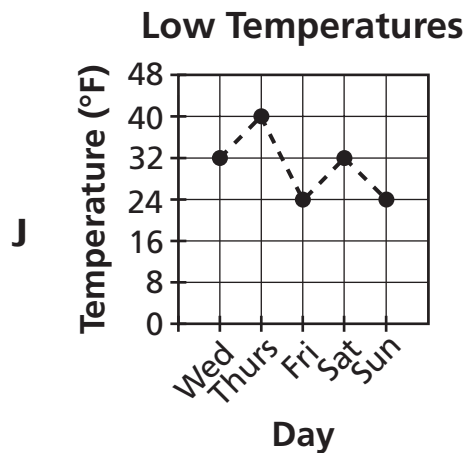
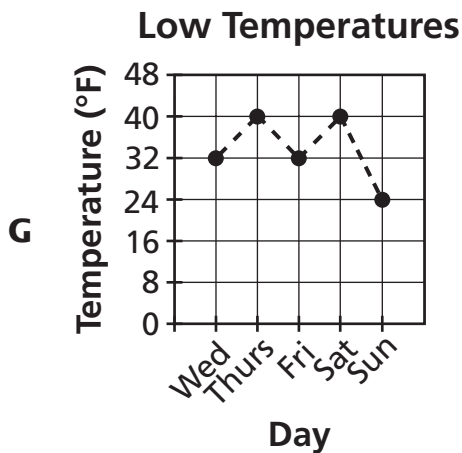
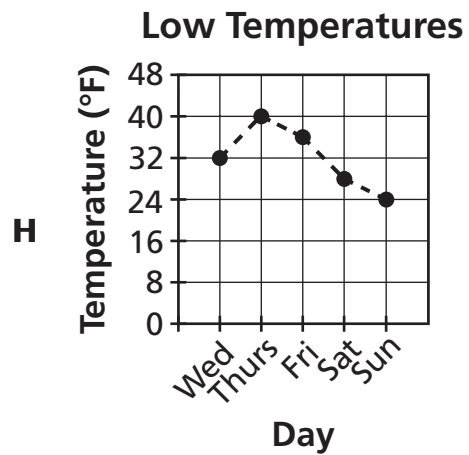
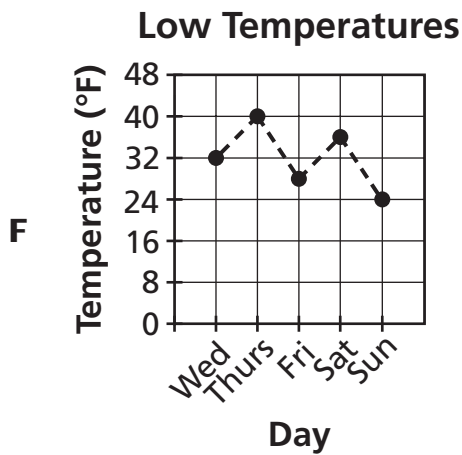
**D**  $\frac{1}{4} < 0.20$

- 30** The table below shows the low temperature in a town on each of five days.

**Low Temperatures**

Day	Temperature (°F)
Wed	32
Thurs	40
Fri	28
Sat	36
Sun	24

Which graph best represents this data set?



**31** Ms. Arnold arranged her math club students into 6 rows for a picture.

- The first row had 5 students.
- Each row after the first row had 2 more students than the row before it.

What was the total number of students in the 6 rows?

- A** 15
- B** 28
- C** 30
- D** 60

**32** Which number is equivalent to  $\frac{32}{6}$ ?

- F**  $5\frac{2}{6}$
- G**  $5\frac{1}{6}$
- H**  $3\frac{2}{6}$
- J**  $2\frac{5}{6}$

**33** Which number has the same value as seven hundreds, three-tenths, and five hundredths?

- A** 7.35
- B** 7.53
- C** 700.35
- D** 700.53

**34** Subtract:  $\frac{9}{12} - \frac{1}{3} =$

**F**  $\frac{8}{9}$

**G**  $\frac{5}{6}$

**H**  $\frac{2}{3}$

**J**  $\frac{5}{12}$

**35** Divide:  $423 \div 9 =$

**A** 46

**B** 47

**C** 48

**D** 49

**36** Mr. Fuentes bought a package that contained a total of  $n$  napkins. He used 136 napkins from this package. Which expression best represents the number of napkins left in the package Mr. Fuentes bought?

**F**  $n + 136$

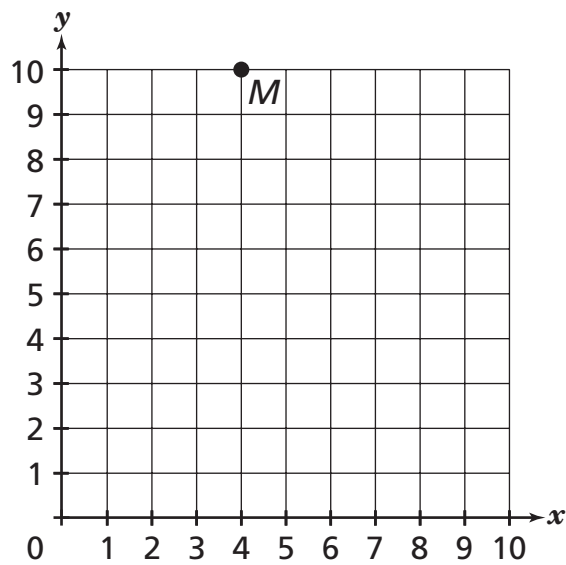
**G**  $n - 136$

**H**  $n \times 136$

**J**  $n \div 136$

*Go On ►*

- 37** Point  $M$  is shown on the coordinate grid below.



What are the coordinates of Point  $M$  ?

- A** (4, 10)
- B** (5, 10)
- C** (10, 0)
- D** (10, 4)

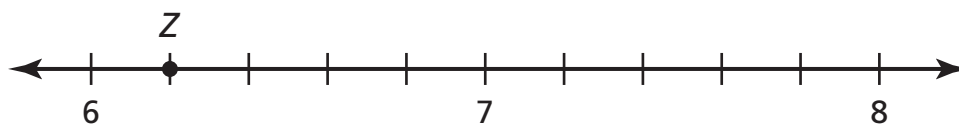
- 38** Which list shows all the common factors of 28 and 48?

- F** 1 and 4
- G** 2 and 4
- H** 1, 2, and 4
- J** 1, 2, 4, and 8

**39** Which decimal is equivalent to  $\frac{1}{5}$ ?

- A** 0.1
- B** 0.2
- C** 0.5
- D** 1.5

**40** Which mixed number is best represented by Point Z on the number line below?

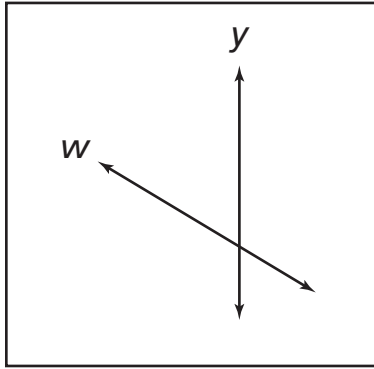


- F**  $6\frac{1}{5}$
- G**  $6\frac{1}{4}$
- H**  $7\frac{1}{4}$
- J**  $7\frac{4}{5}$

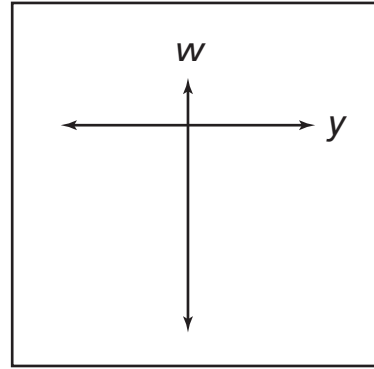
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**41** Which model shows lines that are intersecting but do not appear to be perpendicular?

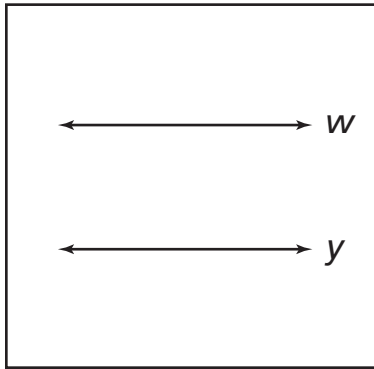
**A**



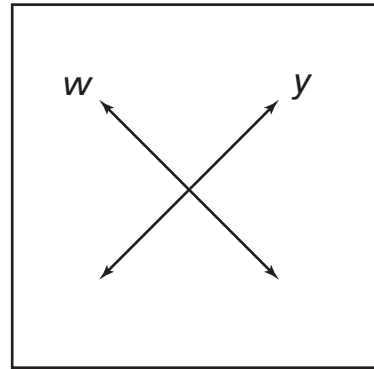
**C**



**B**



**D**



**42** How is seventy and twelve hundredths written in standard form?

**F** 7.012

**G** 70.012

**H** 70.12

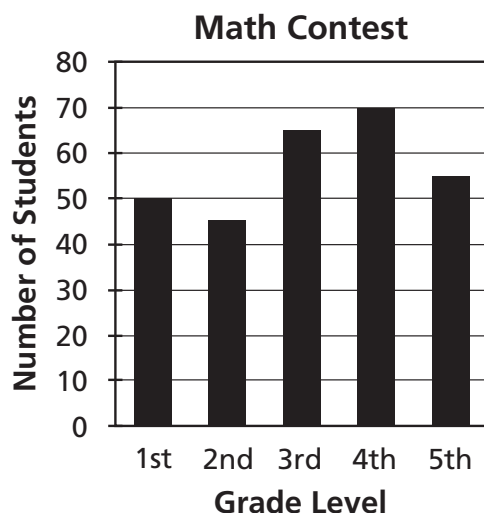
**J** 7,012

**43** Fiona bought a DVD from the store. Which is the best estimate of the mass of the DVD Fiona bought?

- A** 15 kilograms
- B** 15 pounds
- C** 15 inches
- D** 15 grams

*Go On ►*

- 44** The graph below shows the number of students in each grade level who participated in a math contest.



Which table best represents the information in the graph?

**Math Contest**

**F**

Grade Level	1st	2nd	3rd	4th	5th
Number of Students	50	40	60	70	50

**Math Contest**

**G**

Grade Level	1st	2nd	3rd	4th	5th
Number of Students	50	45	65	70	55

**Math Contest**

**H**

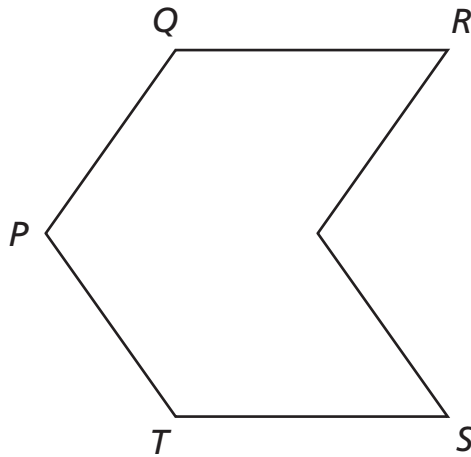
Grade Level	1st	2nd	3rd	4th	5th
Number of Students	50	50	70	70	60

**Math Contest**

**J**

Grade Level	1st	2nd	3rd	4th	5th
Number of Students	50	45	70	65	55

- 45** Figure  $PQRST$  is shown below.



Which type of angle does Angle  $P$  appear to be?

- A** right angle
  - B** acute angle
  - C** obtuse angle
  - D** straight angle
- 46** Which number sentence uses the commutative property to show that  $10 \times 2 \times 5 = 100$ ?
- F**  $10 \times 2 \times 5 = 50 + 50$
  - G**  $10 \times 2 \times 5 = 100 \times 1$
  - H**  $10 \times 2 \times 5 = 5 \times 2 \times 10$
  - J**  $10 \times 2 \times 5 = 5 + 2 + 10$

**47** A doctor treated 14 patients on each of her workdays. What is the total number of patients the doctor treated in 28 workdays?

- A** 130
- B** 140
- C** 362
- D** 392

**48** There are 20 students in a class.

- There are  $\frac{1}{2}$  of the students who are wearing purple shirts.
- There are 4 of the students who are wearing green shirts.
- The rest of the students are wearing white shirts.

What fraction represents the students in the class who are wearing white shirts?

- F**  $\frac{1}{5}$
- G**  $\frac{1}{4}$
- H**  $\frac{3}{10}$
- J**  $\frac{7}{10}$

**49**

The table below shows the total number of dollars William saved after different number of weeks.

**Dollars William Saved**

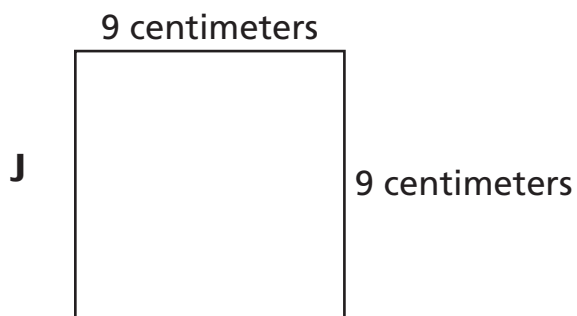
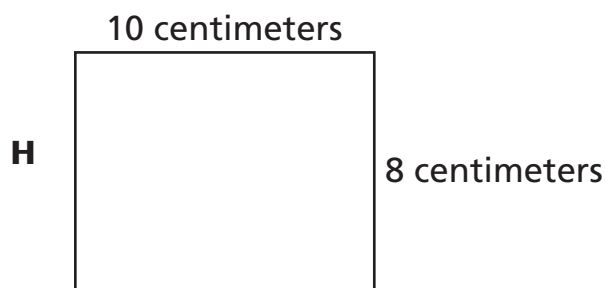
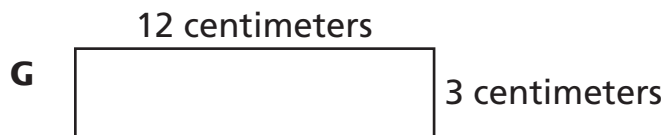
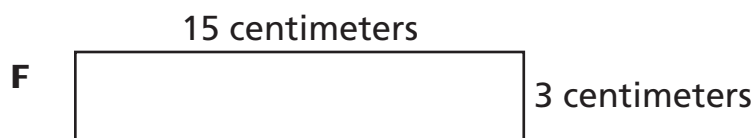
<b>Total Number of Dollars</b>	<b>Number of Weeks</b>
15	5
21	7
27	9
33	11
39	13

If the pattern in the table continues, after how many weeks will William have exactly 45 dollars saved?

- A** 15
- B** 18
- C** 24
- D** 52

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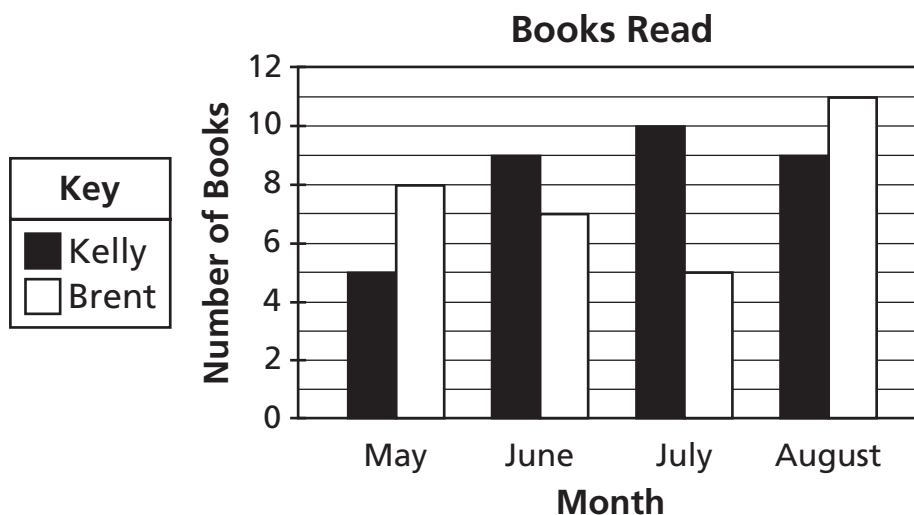
**50** Which shape does not have a perimeter of 36 centimeters?



**51** Miranda spent \$5.36 on a notebook and \$3.78 on a box of markers. What is the total amount Miranda spent on the notebook and the box of markers?

- A** \$2.42
- B** \$8.04
- C** \$9.04
- D** \$9.14

- 52** The graph below shows the numbers of books two students read during each of four months.



According to the graph, what is difference between the total number of books Kelly read and the total number of books Brent read?

- F** 2
- G** 4
- H** 64
- J** 70

- 53** A parking lot has a length of 183 feet. What is the length of this parking lot in yards?

$$1 \text{ yard} = 3 \text{ feet}$$

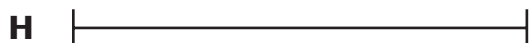
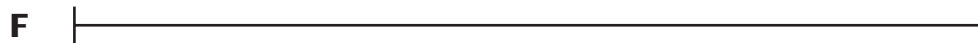
- A** 549 yards
- B** 186 yards
- C** 63 yards
- D** 61 yards

*Go On ►*

**54**

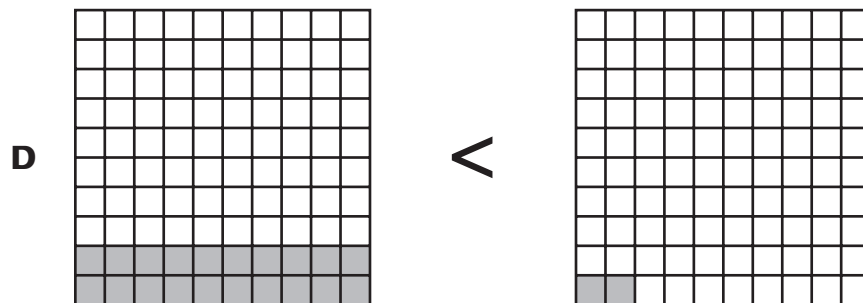
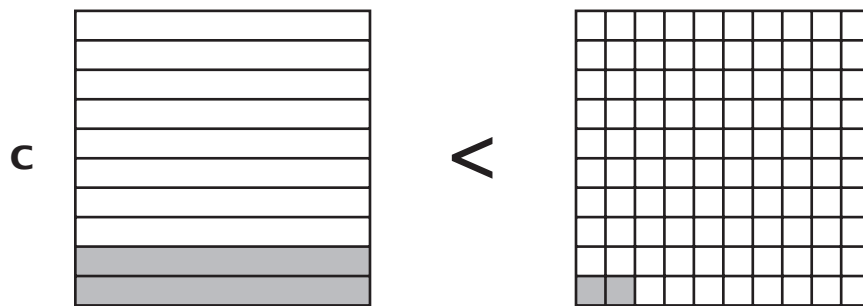
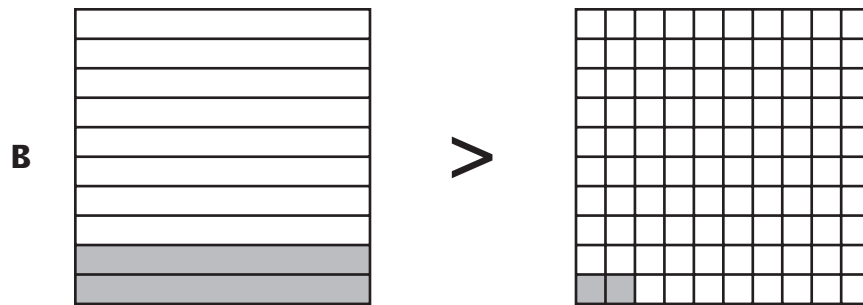
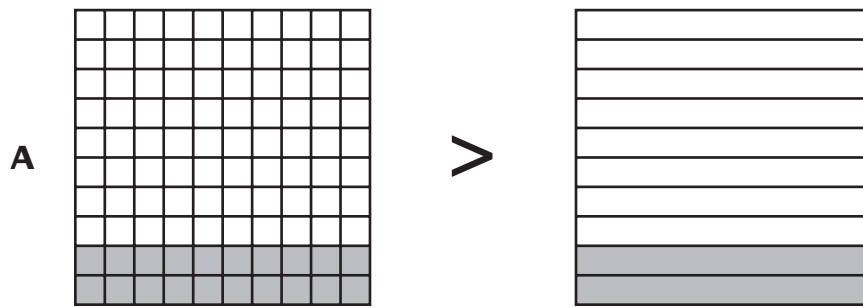
Use the centimeter side of your ruler to help you answer this problem.

Ella drew a line segment with a length of 4 centimeters. Mateo drew a line segment with a length that is twice as long as Ella's line segment. Which line segment could be the one Mateo drew?



55

Which of these correctly compares the decimals represented by the shaded parts of the models?



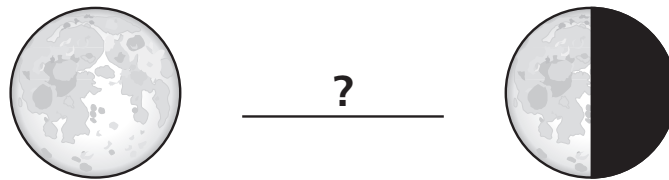
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## Part 1

- 1** The diagram below shows two phases of the moon.



Which moon phase is seen between the two phases shown above?

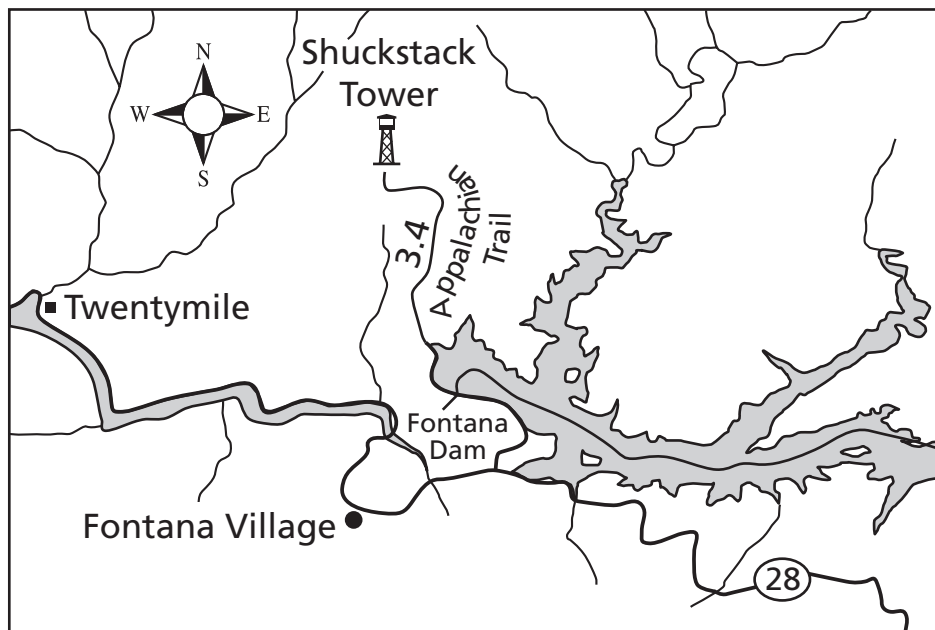


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**2** A student fills a container with 500 milliliters of a liquid. The student needs to heat the liquid on a hot plate until it reaches 35°C. What tool should the student use to measure the temperature of the liquid?

- F** beaker
- G** graduated cylinder
- H** balance
- J** thermometer

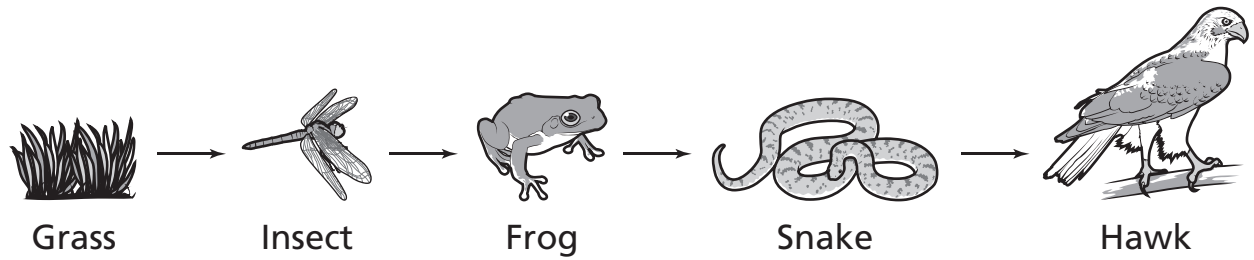
**3** A map is shown below.



In which general direction is Shuckstack Tower from Fontana Village?

- A** south
- B** north
- C** west
- D** east

- 4** A food chain is shown below.



What would most likely happen if a new species of snake that also eats frogs is introduced into this food chain?

- F** The hawks will disappear.
- G** The insect population will increase.
- H** The frog population will increase.
- J** The grass will grow longer.

- 5** How are vacuoles in plant cells different from vacuoles in animal cells?

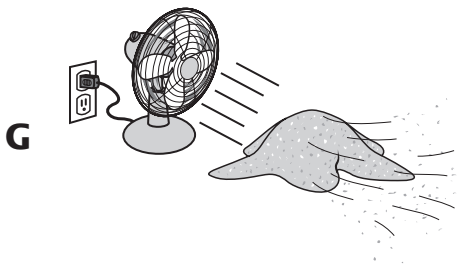
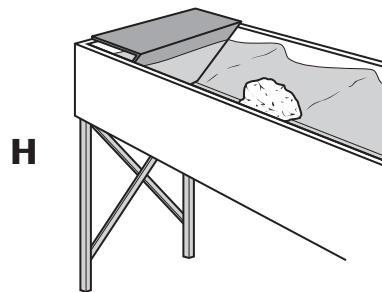
- A** Vacuoles in plant cells are larger than vacuoles in animal cells.
- B** Vacuoles in plant cells are smaller than vacuoles in animal cells.
- C** Vacuoles in animal cells help the cells hold their shapes, but vacuoles in plant cells do not.
- D** Vacuoles in animal cells produce food for the cells, but vacuoles in plant cells do not.

*Go On ►*

**6** A natural feature is shown below.

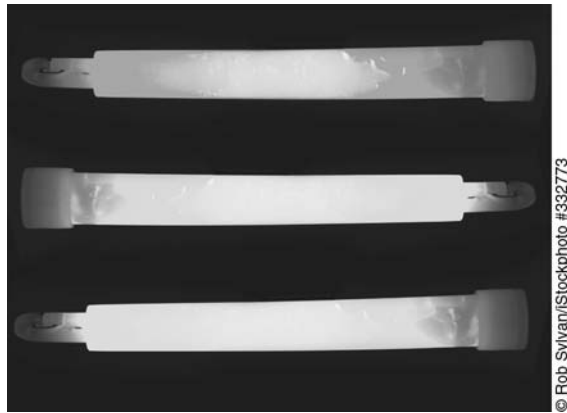


Which picture shows a model of how this natural feature was most likely formed?



**7**

Three toy glow sticks are shown in the picture below.



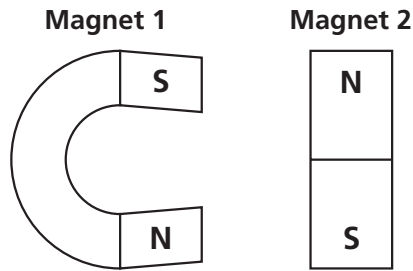
The glow sticks produce light for a short amount of time. The light from the glow stick is produced by

- A** chemical energy.
- B** heat energy.
- C** magnetism.
- D** gravity.

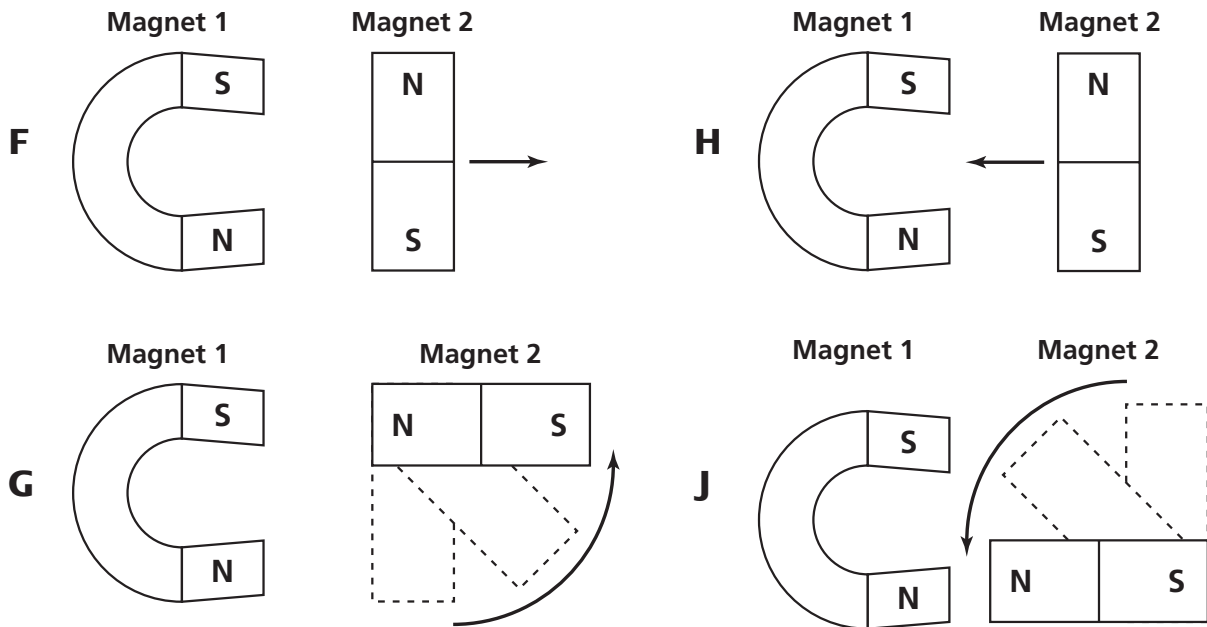
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8

A student places two magnets next to each other as shown below.



Which picture best shows the direction Magnet 2 will move when it is placed close to Magnet 1?

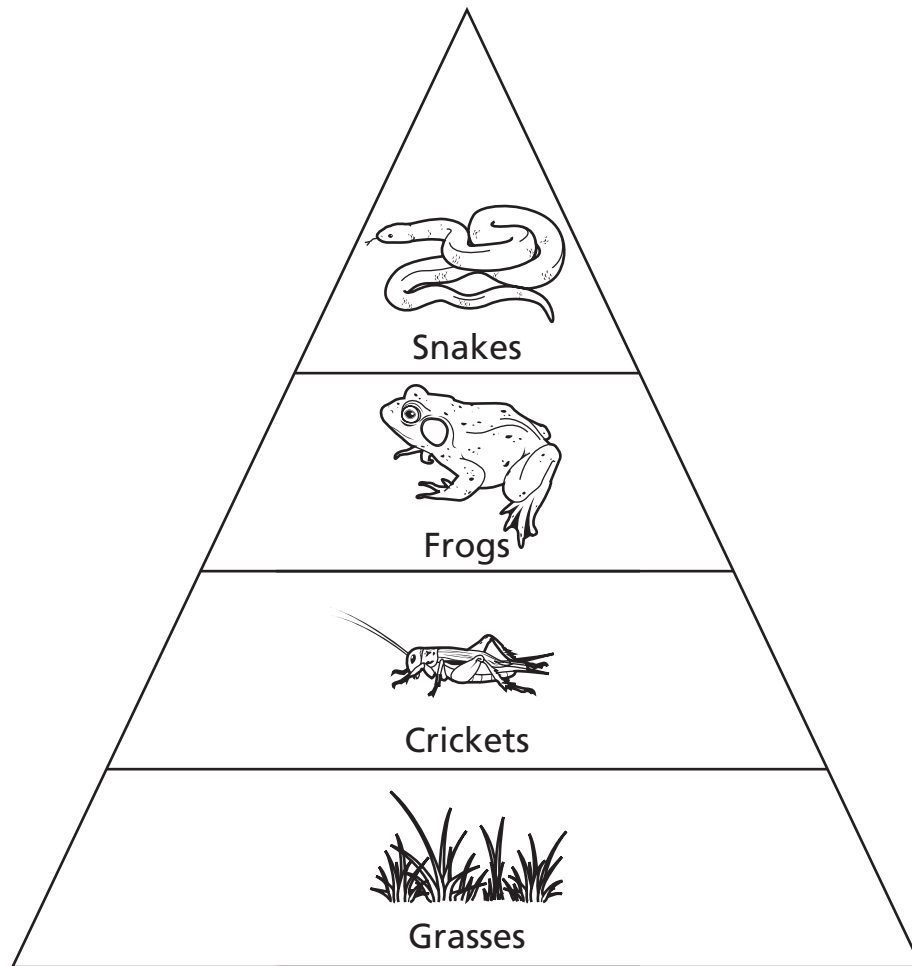


9

A duck has a thick layer of fluffy feathers covered by a layer of waterproof feathers. The two types of feathers most likely help the duck survive in

- A** cold temperatures.
- B** areas with thick mud.
- C** drought conditions.
- D** areas with thick forests.

**10** An energy pyramid is shown below.

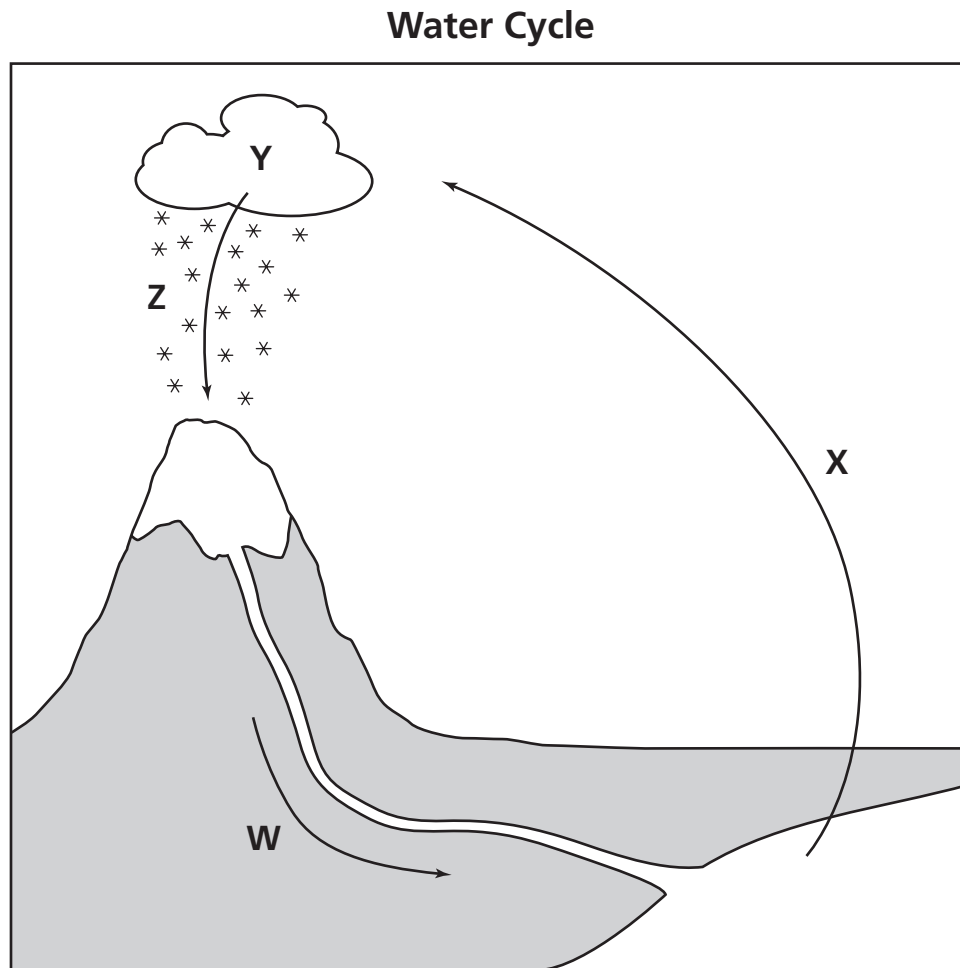


In this energy pyramid, both crickets and frogs are classified as

- F** producers.
- G** herbivores.
- H** decomposers.
- J** consumers.

*Go On ►*

**11** The diagram below shows the water cycle.



What part of the water cycle is represented by letters X and Z?

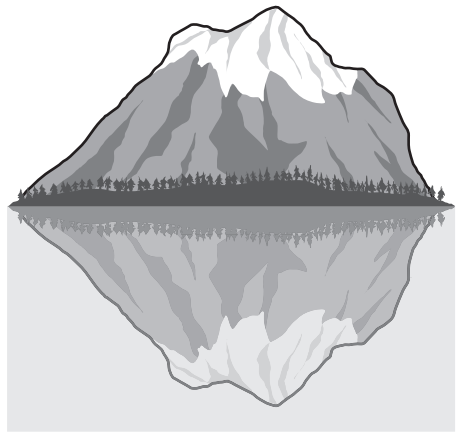
- A** evaporation and run-off
- B** condensation and precipitation
- C** evaporation and precipitation
- D** run-off and condensation

**12** Which picture best shows light being refracted?

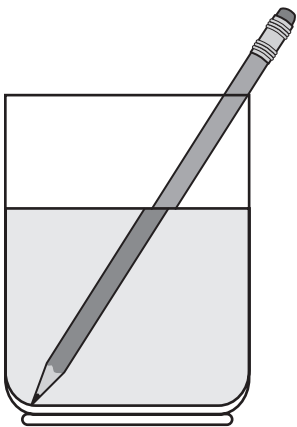
**F**



**H**



**G**

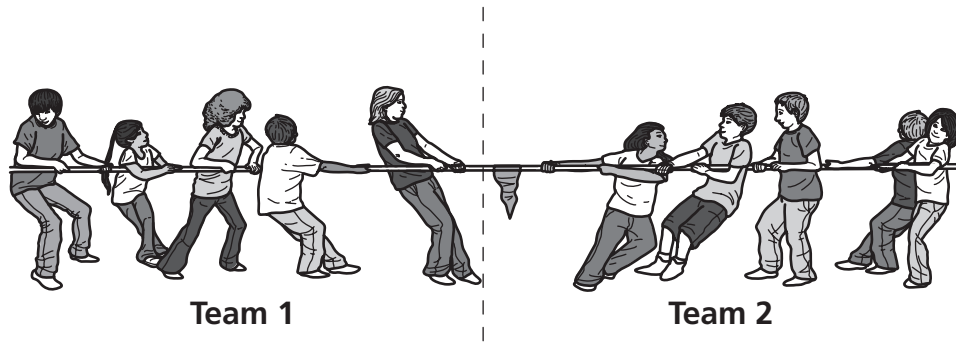


**J**



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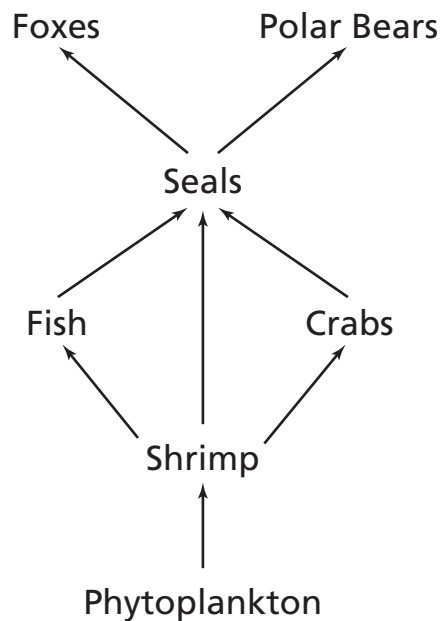
**13** Two teams playing tug-of-war are shown.



Which factor explains why Team 2 is winning the tug-of-war game?

- A** gravity
- B** air resistance
- C** unbalanced forces
- D** friction

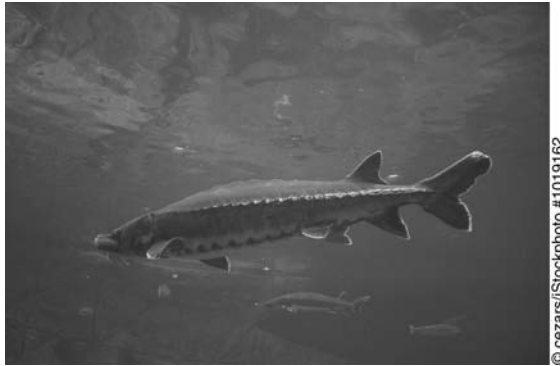
- 14** A food web is shown below.



A decrease in which animal population will cause polar bears and foxes to compete with each other more for food?

- F** Fish
- G** Crabs
- H** Seals
- J** Shrimp

- 15** A sturgeon fish is shown in the picture.



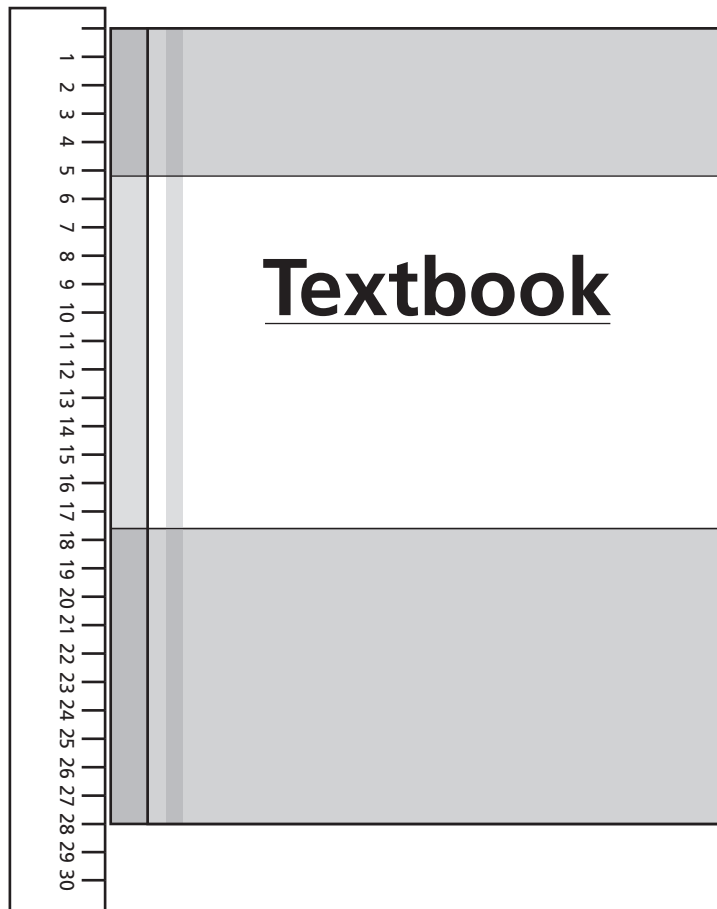
Sturgeon fish are caught and sold to fish markets by local fisherman. What will most likely happen if most of the sturgeon caught by the fishermen are female?

- A** The sturgeon population will decrease.
- B** The number of males will increase.
- C** The surviving females will become smaller.
- D** It will make more food available for other animals.

- 16** Which statement explains why the moon changes phases?

- F** Earth rotates around the moon.
- G** Earth rotates around the sun.
- H** The moon casts a shadow on Earth.
- J** The moon orbits around Earth.

- 17** A student wants to find out the length of a textbook.

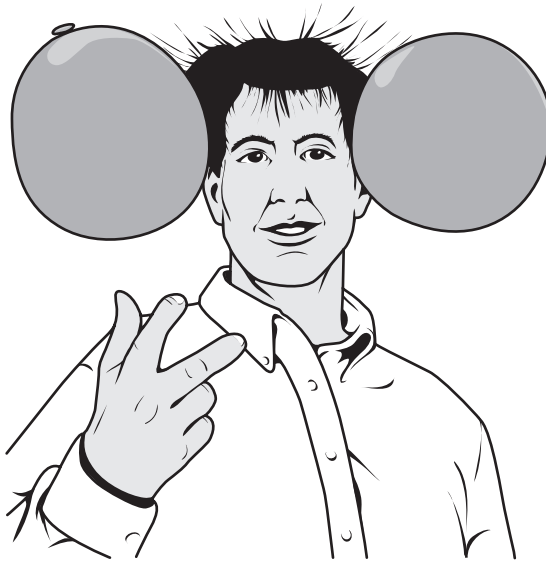


Which units should the student use to record the length of the textbook?

- A** centimeters
- B** grams
- C** gallons
- D** ounces

*Go On ►*

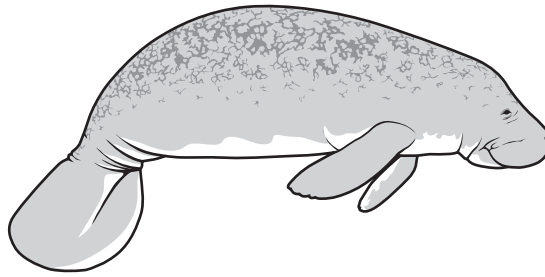
**18** The picture shows two balloons stuck to the teacher's head.



Which of these is most likely causing the balloons to stick to the teacher's head?

- F** force of gravity
- G** force of friction
- H** opposite electrical charges
- J** opposite magnetic poles

- 19** Manatees are slow-moving animals that live in saltwater bays.



Manatees swim in shallow waters where there are many people and motorboats. Which most likely led to the manatees becoming endangered?

- A** people watching the manatees from the shore
- B** people swimming in shallow waters with the manatees
- C** motorboat propellers bumping into the manatees and harming them
- D** motorboat propellers stirring the water and adding too much oxygen

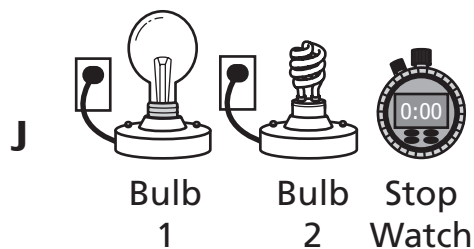
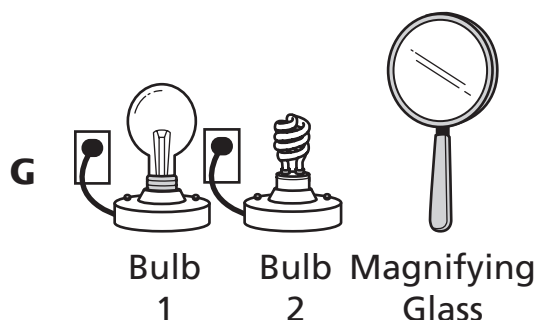
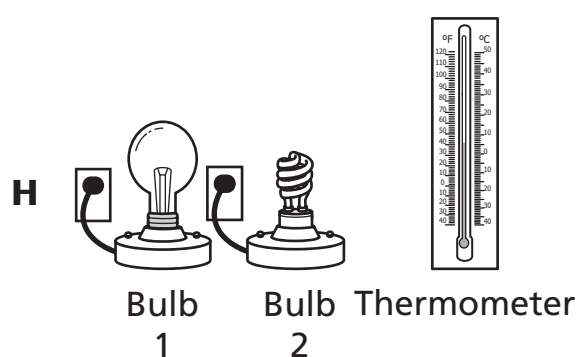
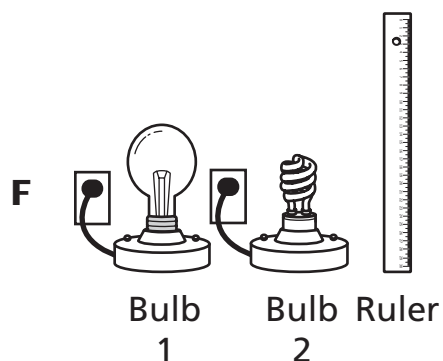
- 20** Which structures are found in both plant cells and animal cells?

- F** cell wall and cell membrane
- G** vacuole and nucleus
- H** chloroplast and cell wall
- J** cell membrane and chloroplast

**21** Which earth material is best for building structures that must support heavy weights?

- A** iron
- B** wood
- C** copper
- D** plastic

**22** Students want to know which of two light bulbs gives off more heat. Which set of supplies will best help the students find out?



**23**

The chart shows the times it took four students to run 100 yards.

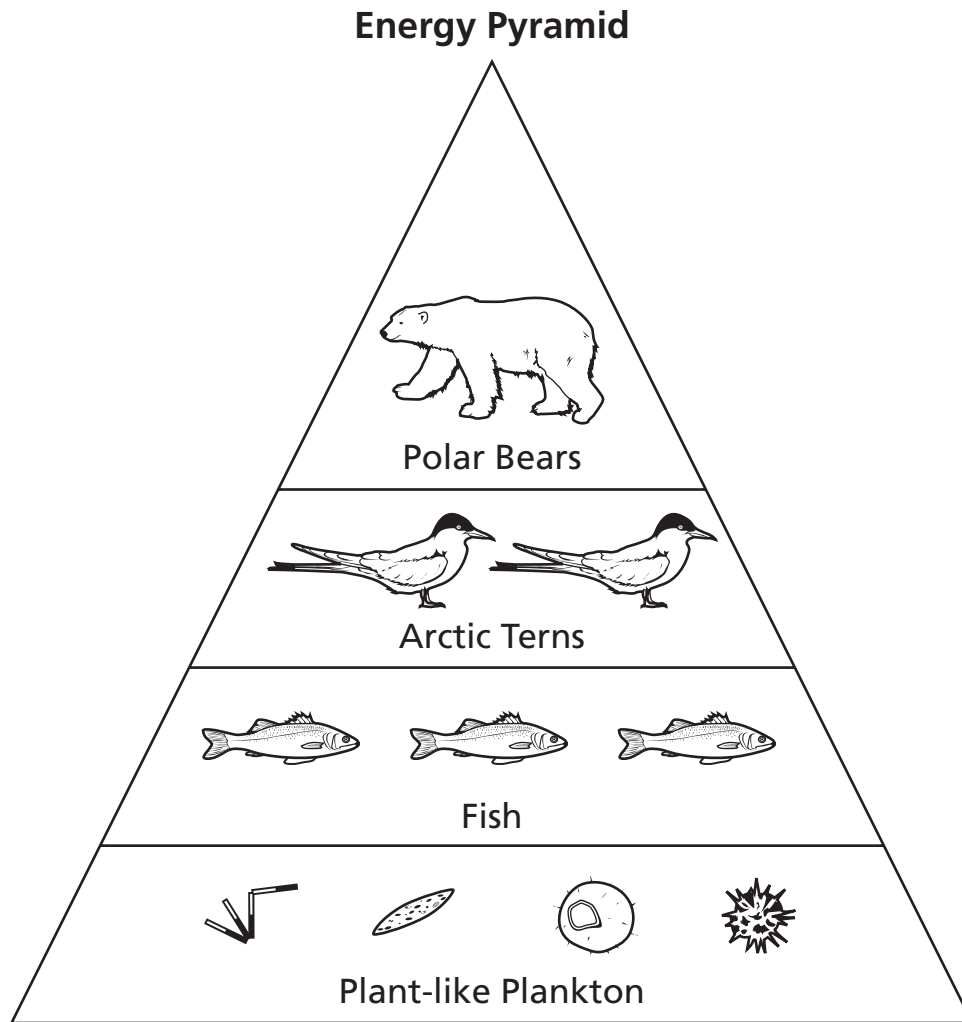
Student	Distance Run	Time
1	100 yards	16 seconds
2	100 yards	20 seconds
3	100 yards	17 seconds
4	100 yards	21 seconds

Which student ran the fastest?

- A** Student 1
- B** Student 2
- C** Student 3
- D** Student 4

*Go On ►*

**24** The picture below shows an energy pyramid.



**Which lists organisms from this pyramid that are all consumers?**

- F** Plantlike Plankton and Polar Bears
- G** Plantlike Plankton, Fish, and Arctic Terns
- H** Fish, Arctic Terns, and Polar Bears
- J** Plantlike Plankton, Fish, Arctic Terns, and Polar Bears

**25** Which statement best describes climate?

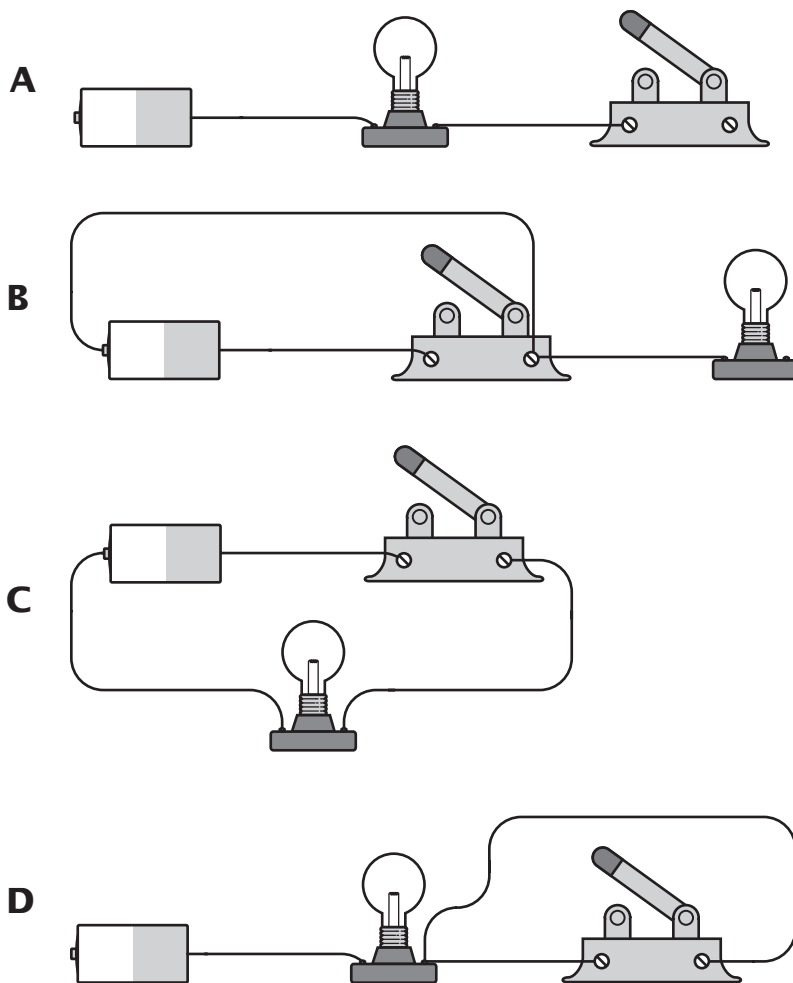
- A** Climate is average weather in a region over a long time.
- B** Climate stays the same across the planet.
- C** Climate changes every day.
- D** Climate lasts for one season.

**26** Hundreds of years ago, scientists used glass to make instruments to help small objects look larger. Which of these was most likely developed using these glass objects?

- F** mirror
- G** test tube
- H** microscope
- J** balance

*Go On ►*

**27** Which setup shows a circuit that will light the bulb?



**28** Scientists are tracking the movements of an endangered whale using a radio tag. The whale traveled more than 4,000 miles in three months. Which devices are used with the radio tag to determine the location of the whale?

- F** barometers
- G** lasers
- H** satellites
- J** telescopes

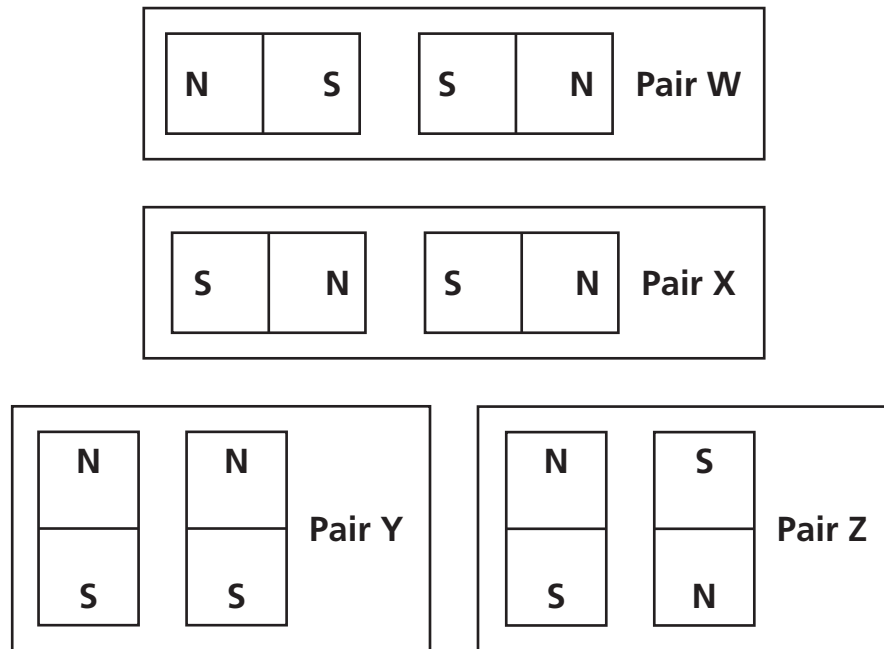
**29** In 1640, a scientist discovered that air has weight, and that the atmosphere puts pressure on Earth's surface. What tool was developed to measure this pressure?

- A** barometer
- B** hygrometer
- C** anemometer
- D** thermometer

**30** A stick of butter is placed in a pot to make macaroni and cheese. The butter melts. What causes the butter to melt?

- F** heat
- G** gravity
- H** light
- J** friction

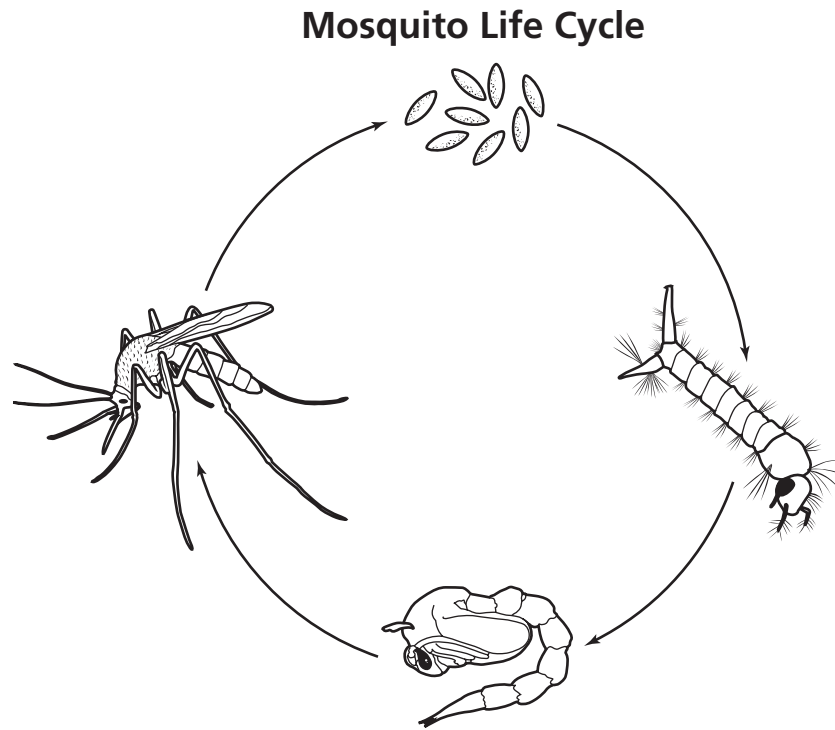
**31** Four pairs of magnets are shown.



Which two pairs of magnets are both set up in a way that the magnets will repel each other?

- A** Pairs W and Z
- B** Pairs X and W
- C** Pairs Y and W
- D** Pairs Z and X

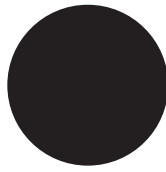
- 32** The diagram below shows changes to a mosquito over time.



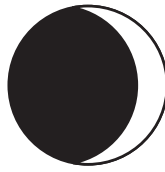
Which term best describes the changes to the mosquito shown in the diagram?

- F** The mosquito is migrating.
- G** The mosquito is hibernating.
- H** The mosquito is going through complete metamorphosis.
- J** The mosquito is going through incomplete metamorphosis.

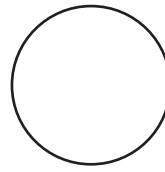
**33** Some phases of the moon are shown out of order.



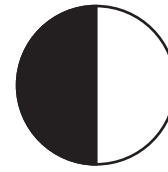
W



X



Y



Z

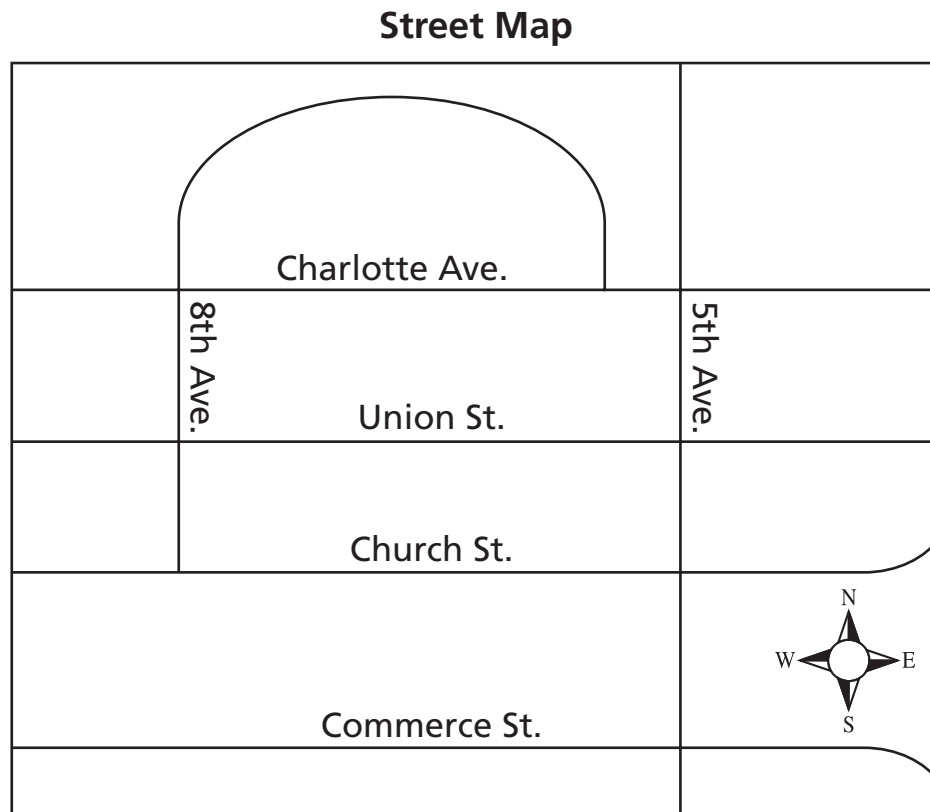
Which of these lists the order in which the phases could appear during one month?

- A** Y, Z, W, X
- B** W, X, Z, Y
- C** X, Z, Y, W
- D** Z, X, W, Y

**34** Which material is transparent?

- F** black cotton cloth
- G** shiny tin foil
- H** white tissue paper
- J** clear plastic wrap

- 35** Part of a street map is shown.



A person on the corner of Charlotte Avenue and 5th Avenue wants to get to Commerce Street. In which direction should the person travel?

- A** north
- B** south
- C** east
- D** west

## Part 2

**36** The photograph shows a crack in the surface of Earth.

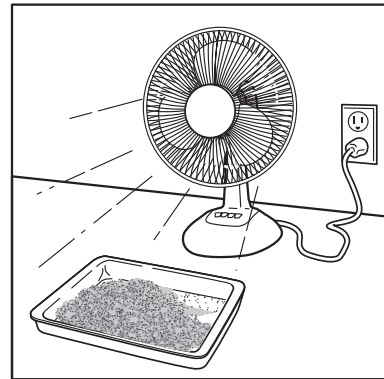


Which model shows how the surface crack most likely formed?

**F**



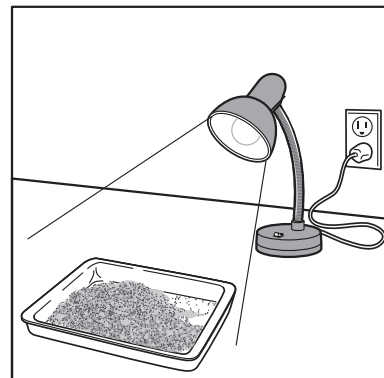
**H**



**G**



**J**

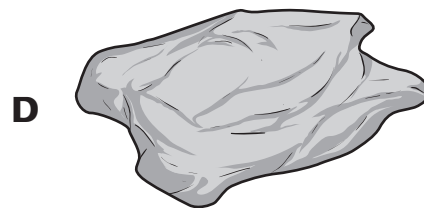
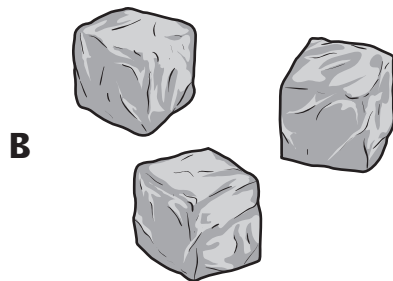
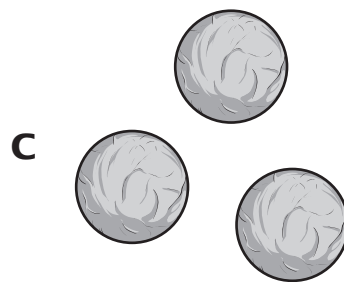
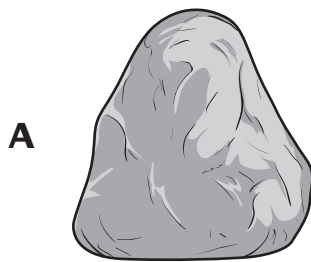


**37**

The picture shows some modeling clay before being placed under a heavy weight.



Which picture shows how the clay most likely appeared after the heavy weight was removed?



*Go On* ►

**38** Which pair of magnets are arranged in a way that will attract each other?

**F**

S	N
---	---

S	N
---	---

**G**

N
S

N
S

**H**

S	N
---	---

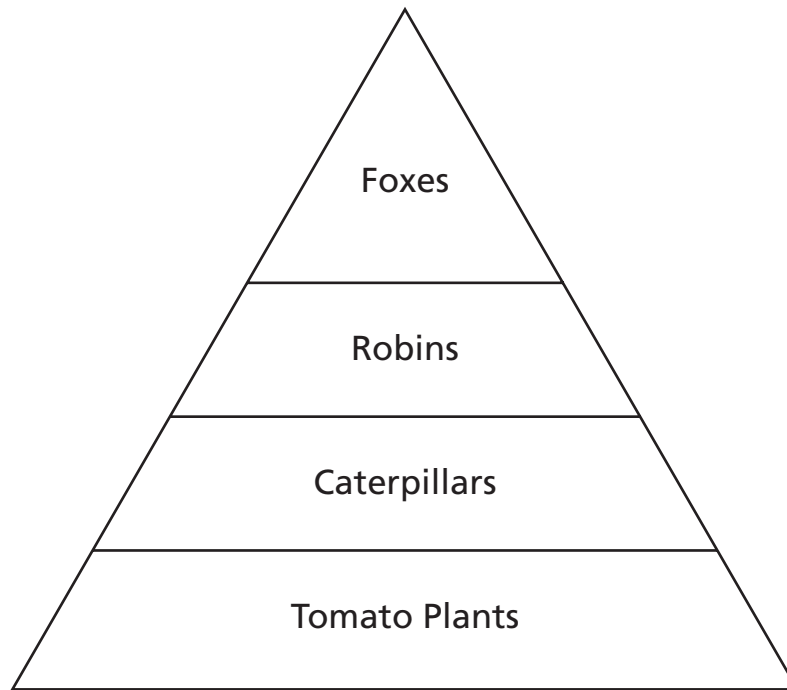
N	S
---	---

**J**

N	S
---	---

S	N
---	---

- 39** An energy pyramid is shown below.



Which organisms in this pyramid are herbivores?

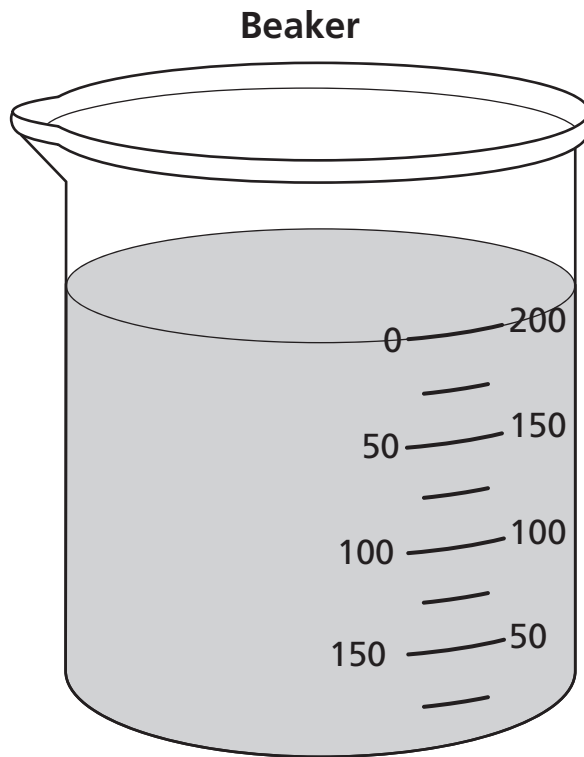
- A** Foxes
- B** Robins
- C** Caterpillars
- D** Tomato Plants

- 40** The least important time for people to have a source of clean, fresh water is when they are

- F** exercising.
- G** bathing.
- H** cooking.
- J** sleeping.

*Go On ►*

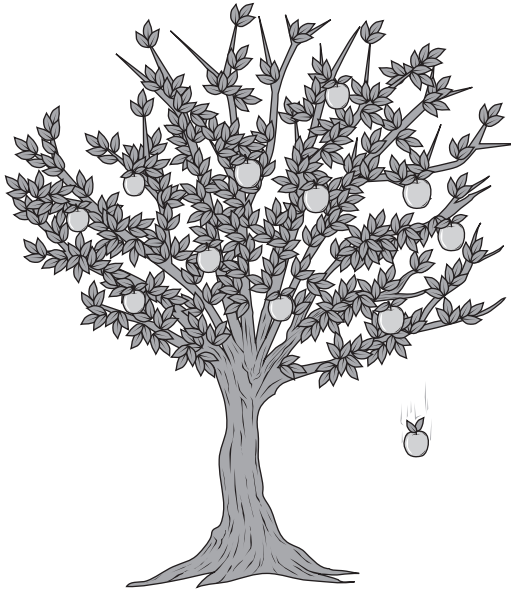
- 41** A student pours liquid into a beaker.



Which property of the liquid is the student most likely measuring?

- A** weight
- B** mass
- C** volume
- D** temperature

- 42** A picture of an apple tree is shown below.



Which causes the apple to fall to the ground?

- F** friction
- G** air resistance
- H** gravity
- J** balanced forces

**43** A food chain is shown.

Tree → Squirrel → Weasel → Lynx

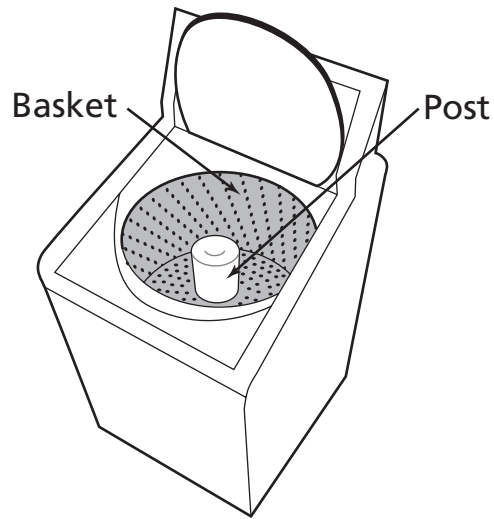
What will most likely happen first if another predator of the squirrel was introduced into this food chain?

- A** The number of weasels will increase.
- B** The number of squirrels will increase.
- C** The number of trees will decrease.
- D** The number of squirrels will decrease.

**44** Which earth material is used to make electrical wires for homes and buildings?

- F** iron
- G** coal
- H** copper
- J** diamond

- 45** The picture shows a clothes washer. Inside the clothes washer are a basket and a post.



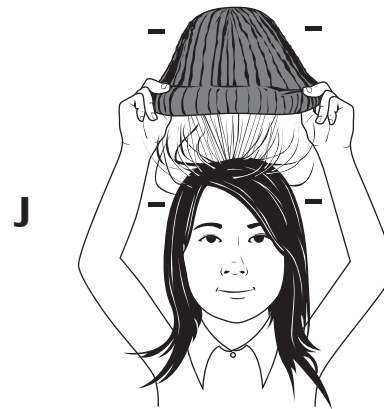
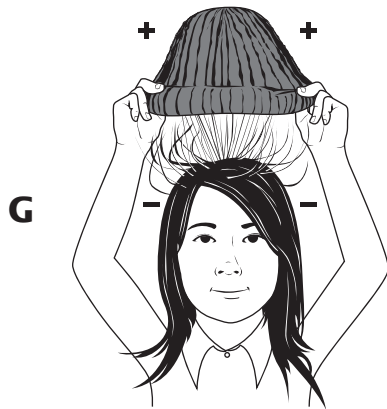
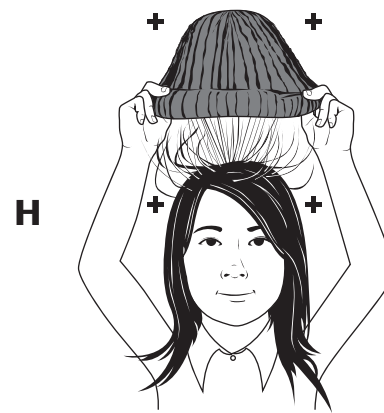
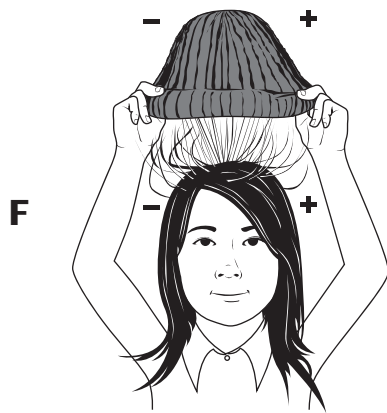
**Clothes Washer**

The basket and the post can both spin. What type of energy do the basket and post need in order to spin?

- A** heat
- B** light
- C** chemical
- D** mechanical

46

A student removes her wool cap. Some of her hair sticks to the cap. Which picture best shows static electricity charges on the cap and on the girl's hair?



- 47** A foxglove plant is shown in the picture below.










When foxglove seeds fall into a stream, they float in the water until they reach a new place to sprout. If an area has a severe drought that lasts several years, what would most likely happen to foxglove plants?

- A** Foxglove plants would grow taller stems.
- B** Foxglove plants would produce more flowers.
- C** Fewer foxglove plants would grow downstream.
- D** More foxglove seeds would be carried away by the wind instead of water.

**48** Which diagram shows an example of climate?

**F**

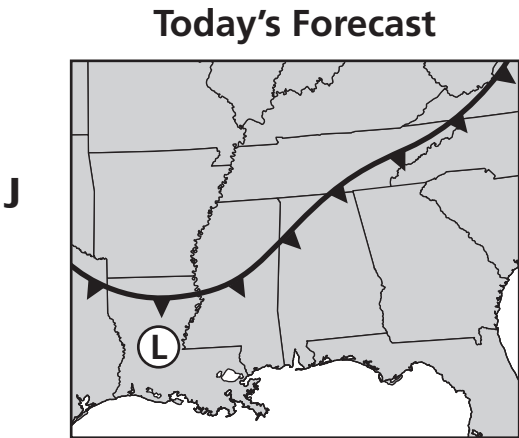
7 Day Forecast						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						
91	90	90	92	95	95	96
--	69	70	69	67	69	71
20%	40%	40%	20%	20%	20%	20%

**H**

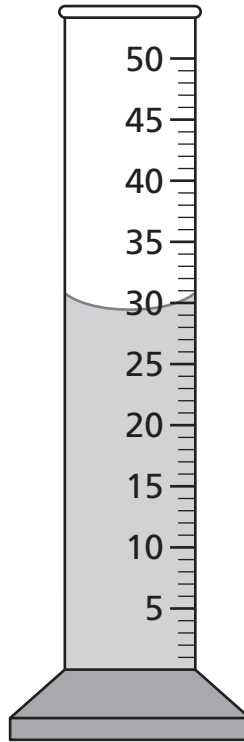
Historical Conditions			
Month	High (°F)	Low (°F)	Average Precipitation (inches)
January	51	28	4.8
February	54	29	4.8
March	61	34	5.3
April	71	42	4.5
May	79	50	4.5
June	86	58	5.3
July	83	59	5.7
August	87	60	5.3

**G**

January High and Low Temperatures		
Tennessee City/Town	High (°C)	Low (°C)
Bristol	7	-4
Chattanooga	9	-1
Clarksville	7	-4
Jahnsen City	7	-4
Kingsport	7	-3
Knoxville	8	-2
Memphis	9	-1



- 49** A graduated cylinder with some water in it is shown below.



Which units should be used when measuring the volume of the water?

- A** meters
- B** grams
- C** milliliters
- D** kilometers

- 50** Four bicycle riders traveled the same distance. Each rider wore a different shirt color. The time each rider took to complete the distance is shown in the table below.

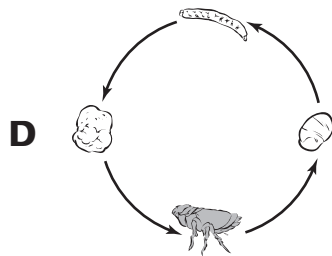
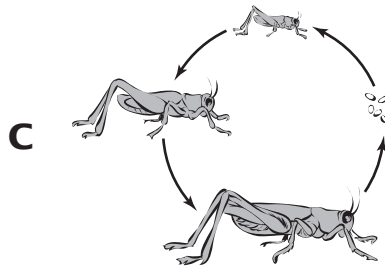
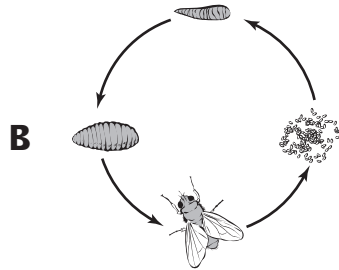
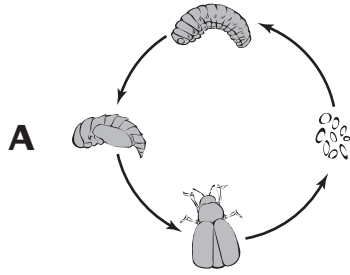
**Bicycle Riding Times**

Shirt Color	Distance Traveled (miles)	Time (minutes)
Red	50	30
Green	50	32
Purple	50	60
Blue	50	56

The rider with which shirt color traveled at the greatest speed?

- F** Red
- G** Green
- H** Purple
- J** Blue

**51** Which life cycle shows incomplete metamorphosis?



*Go On* ►

**52** The air in a cave feels damp. Which tool best measures the amount of moisture in the air of the cave?

- F** hygrometer
- G** barometer
- H** anemometer
- J** thermometer

**53** Which picture shows the best example of reflection?

**A**



**C**



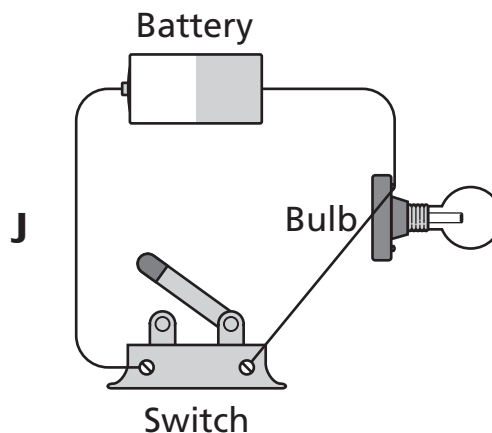
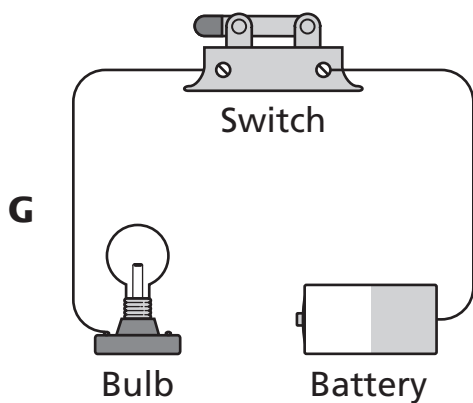
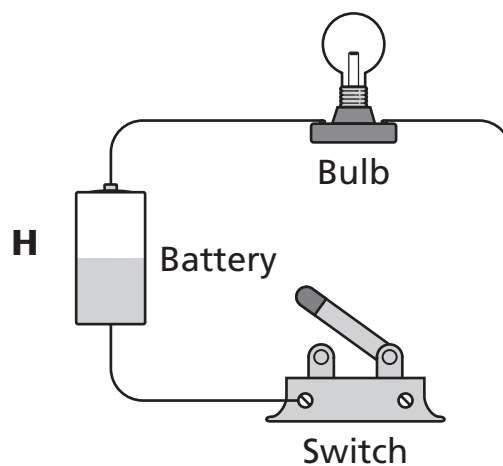
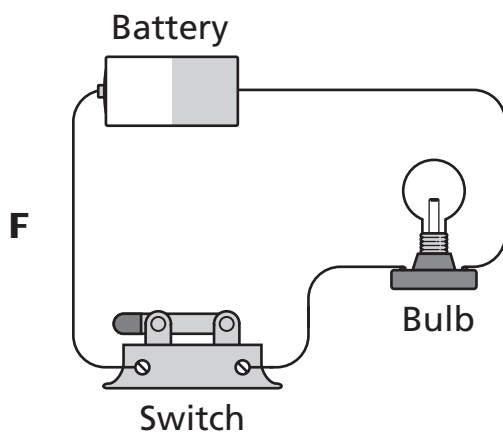
**B**



**D**



**54** Which diagram shows a complete circuit?

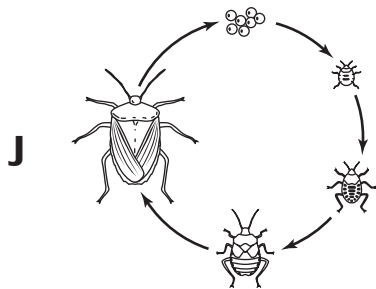
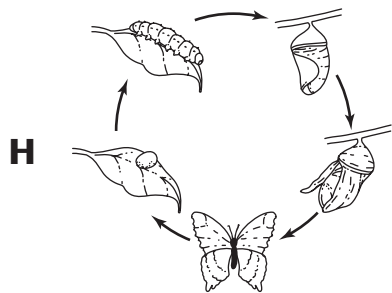
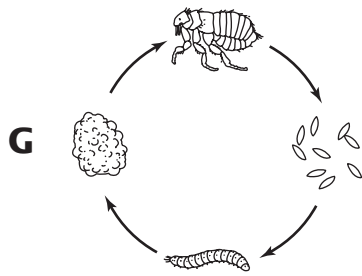
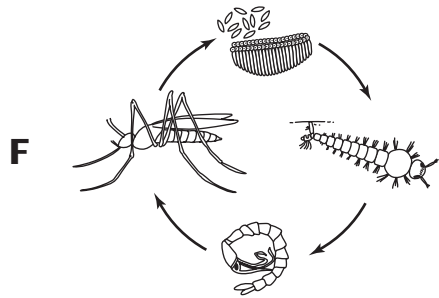


**55** Which of these is a behavioral adaptation that best helps chipmunks survive during a cold winter?

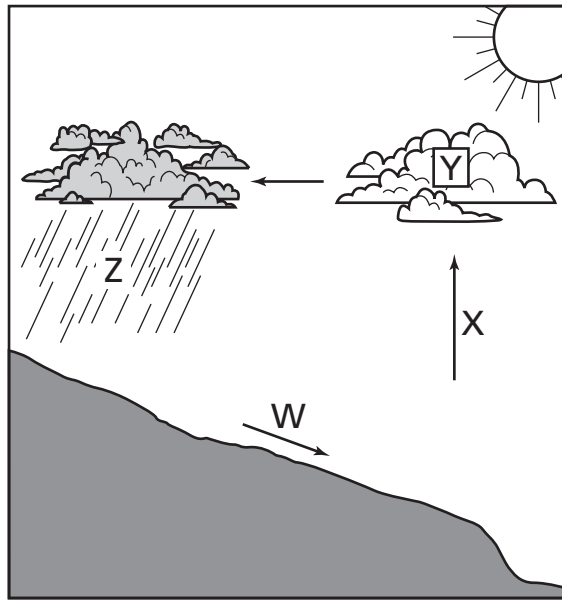
- A** having a small body
- B** having brown fur with a black stripe
- C** digging up acorns from the ground that were buried during the fall
- D** building a nest that is made from grass and leaves

*Go On ►*

**56** Which diagram shows incomplete metamorphosis?



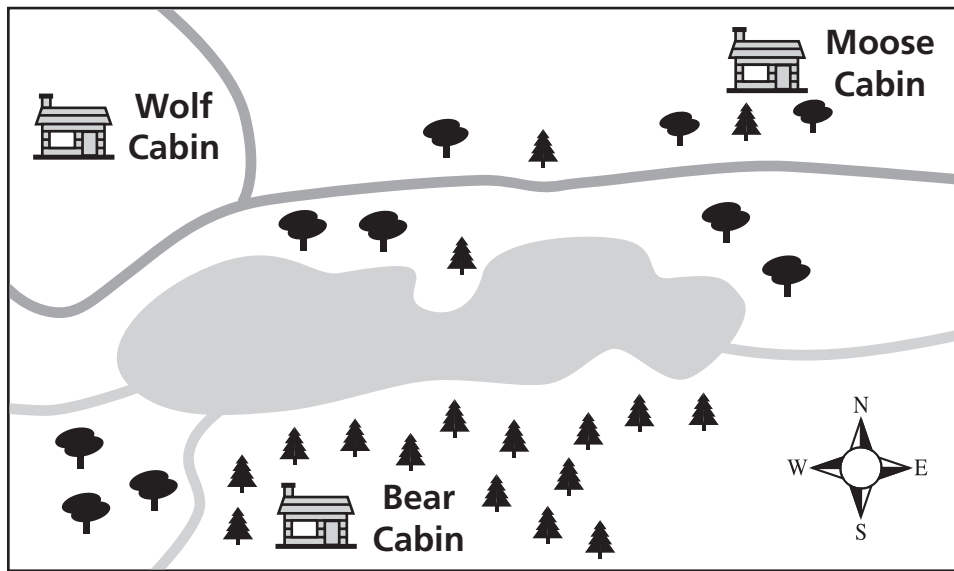
- 57** A diagram of the water cycle is shown.



Which letter best represents runoff?

- A** W
  - B** X
  - C** Y
  - D** Z
- 58** Students are trying to find the mass of a wooden block. Which tool should the students use?
- F** thermometer
  - G** metric ruler
  - H** balance
  - J** graduated cylinder

**59** A map of a campsite is shown.



A student hiking from Moose Cabin to Bear Cabin should travel in which directions?

- A** south then west
- B** south then east
- C** east then south
- D** east then north

**60** Red-cockaded woodpeckers are an endangered species. These woodpeckers make their homes in longleaf pine forests. In Tennessee, there are few longleaf pine forests left. Which is the most likely reason red-cockaded woodpeckers have become endangered?

- F** spread of disease
- G** overhunting by humans
- H** loss of habitat
- J** increase in predators

**61** A student wants to find out if a butterfly goes through a complete or an incomplete metamorphosis. Which of these will most likely help a student find out the type of metamorphosis a butterfly goes through?

- A** observe the growth of a butterfly for one week
- B** observe butterfly eggs under a microscope
- C** create a habitat for butterflies and record any changes that may occur
- D** keep a daily journal and record what the butterflies eat

**62** A student was asked the following question:

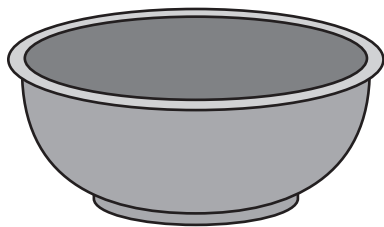
Which moon phase occurs immediately before a full moon?

Which of these is the best way for the student to investigate this question?

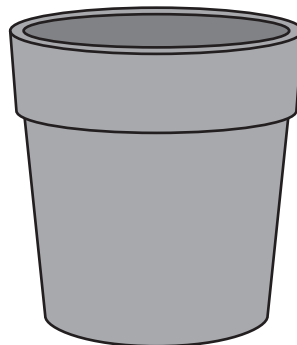
- F** making a model of the moon
- G** building a model of the solar system
- H** mapping the stars and objects in the night sky for one month
- J** observing the moon every night for one month

**63** Which container is transparent?

**A**



**C**



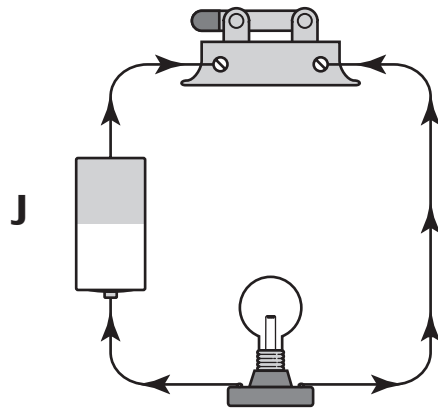
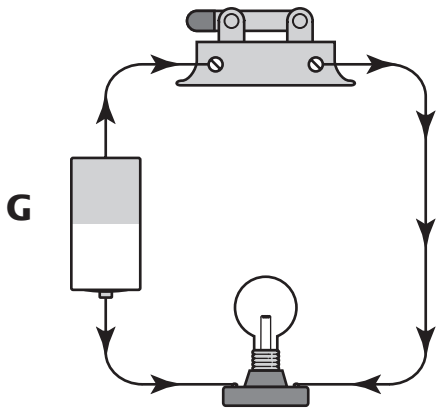
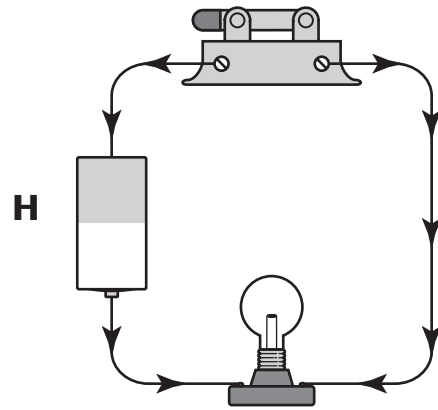
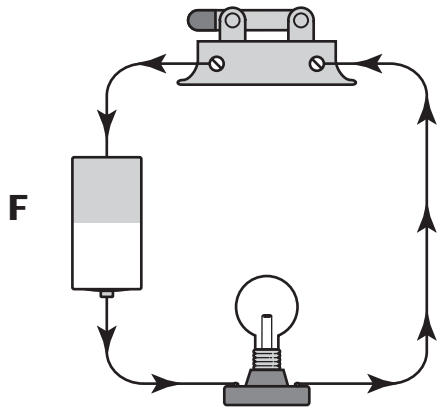
**B**



**D**



**64** Which diagram best shows how electricity flows through a complete circuit?



*Go On ►*

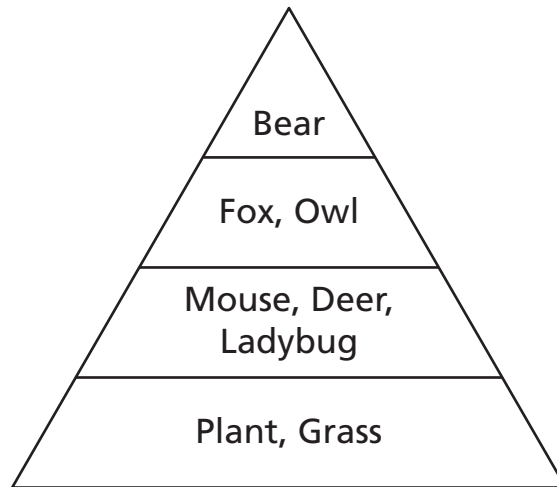
**65** The picture below shows a type of snake that lives in a hot desert.



**The snake buries itself in the sand during the daytime. Burying itself in the sand helps the snake survive by**

- A** allowing the snake to move quickly.
- B** helping the snake to stay cool.
- C** helping the snake to blend with its environment.
- D** keeping the snake from becoming ill.

**66** An energy pyramid is shown below.



Which of the following correctly describes the flow of energy in the pyramid?

- F** The grass and trees get energy from ladybugs.
- G** The owl and fox get energy from mice.
- H** The fox gets energy from bears.
- J** The deer gets energy from owls.

**67** Which data would be needed by a scientist studying climate?

- A** a rainfall measurement
- B** a thunderstorm prediction
- C** barometer readings from the past few weeks
- D** average temperatures over several decades

*Go On ►*

**68** Solar panels are shown in the picture.



© Kyu Oh/Stockphoto #7441413

The purpose of the panels is to change solar energy into

- F** light energy.
- G** electrical energy.
- H** chemical energy.
- J** mechanical energy.

- 69** The chart below shows how long it took four students to run one mile.

**One Mile Run Times**

Student	Time
1	30 minutes
2	15 minutes
3	28 minutes
4	12 minutes

Which student ran the slowest?

- A** Student 1
- B** Student 2
- C** Student 3
- D** Student 4

**DO NOT  
MARK  
ON THIS  
PAGE**

# Social Studies



## Part 1

- 1** Study the photograph below.

**Pyramids at Teotihuacan**



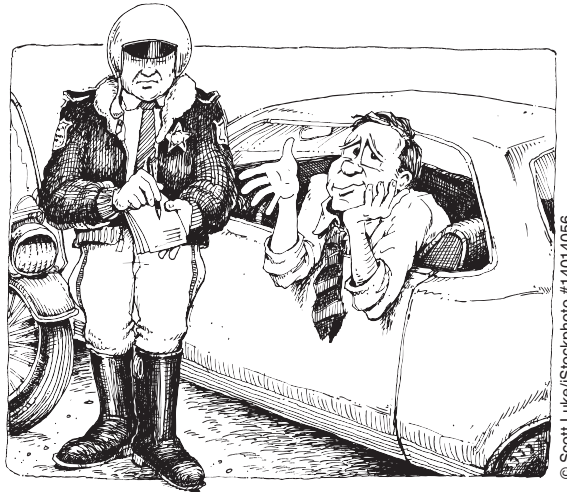
Which pre-Colonial Native American group used the temple shown in the photograph?

- A** Chickasaw
- B** Aztec
- C** Lakota
- D** Shawnee

*Go On ►*

**2** Study the illustration below.

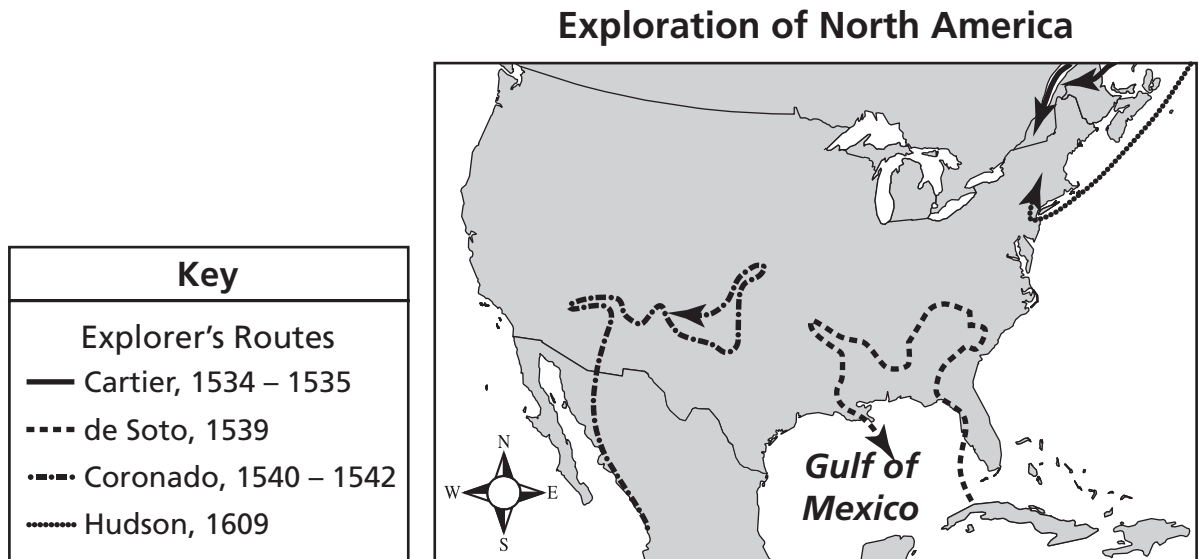
**Driver Receiving a Speeding Ticket**



**If the driver believes he is innocent, where would he go to resolve this conflict?**

- F** a city council meeting
- G** a local court
- H** a state conference
- J** a school board meeting

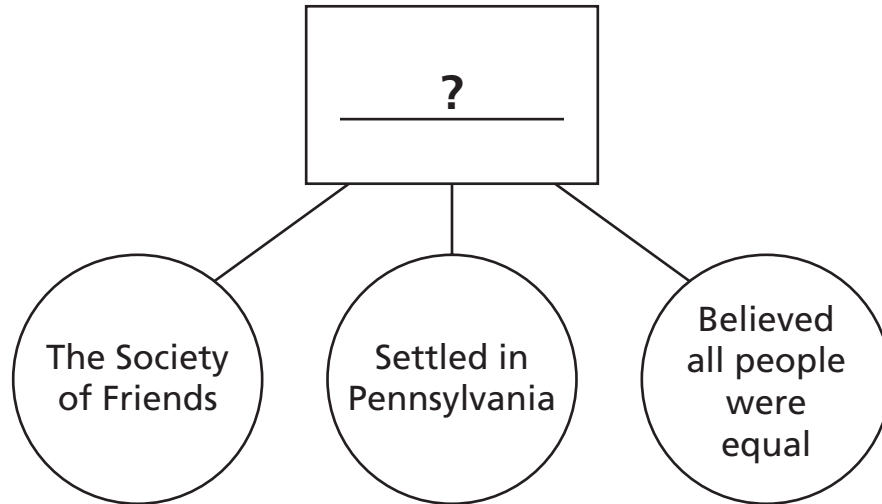
**3** Study the map below.



Based on the map, which explorer was searching for gold in present-day southeastern United States?

- A** Jacques Cartier
- B** Hernando de Soto
- C** Francisco Vázquez de Coronado
- D** Henry Hudson

**4** Study the diagram below.



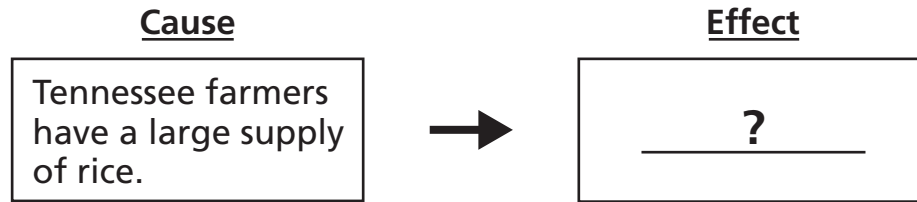
Which North-American cultural group is being described by the diagram?

- F** Puritans
- G** Spanish
- H** Quakers
- J** French

**5** Which group in North America believed the land rightfully belonged to Native Americans?

- A** Quakers
- B** Puritans
- C** Spanish nobles
- D** French farmers

**6** Study the diagram below.



Which result best completes the diagram?

- F** Manufacturers will make fewer rice products.
- G** Farmers will keep the price of rice the same.
- H** Shoppers will pay less for rice at stores.
- J** Farmers will plant more rice next season.

**7** As a result of trade with European settlers, the lifestyles of Native Americans changed as they

- A** became owners of large plantations.
- B** used new weapons for hunting.
- C** learned weaving techniques.
- D** were given more land for farming.

*Go On ►*

**8** Which person was a member of the legislative branch of the federal government?

**President  
George Washington**

**F**



Courtesy of Library of Congress  
#LC-DIG-det-4a26549

**Mayor  
Frederick Mansfield**

**H**



Courtesy of Library of Congress  
#LC-DIG-hec-23632

**Senator  
John Dix**

**G**



Courtesy of Library of Congress  
#LC-USZ62-110557

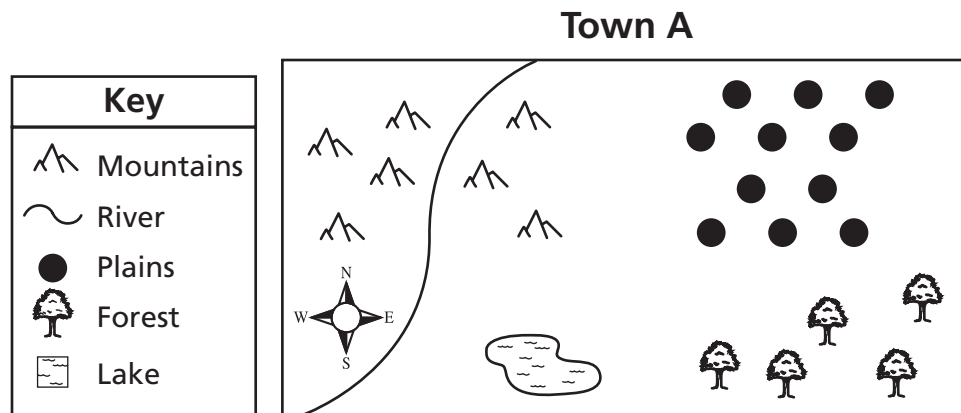
**Justice  
William Douglas**

**J**



Courtesy of Library of Congress  
#LC-DIG-hec-26502

**9** Study the map below.



On the map, which geographical feature is divided by a river?

- A** Mountains
- B** Plains
- C** Forest
- D** Lake

**10** Which leader voted in Cherokee Nation council meetings?

- F** James Polk
- G** Andrew Jackson
- H** Harriet Tubman
- J** Nancy Ward

*Go On ►*

**11** What group first lived in the area that later became Tennessee?

- A** English
- B** Cherokee
- C** Scottish
- D** Apache

**12** The Eighth Amendment protects citizens who are

- F** speaking at a local meeting.
- G** asking for a speedy trial.
- H** found guilty of a crime.
- J** attending a local religious service.

**13** Which reason encouraged early European settlers to live near the banks of the Tennessee River?

- A** the discovery of gold
- B** protection from the climate
- C** the need for transportation
- D** protection from attacks

**14** Study the table below.

**Tennessee's Income from  
Major Products, 2009**

Product	Value (in thousands)
Soybeans	\$564,593
Chickens	\$442,148
Cattle	\$423,767
Corn	\$251,209

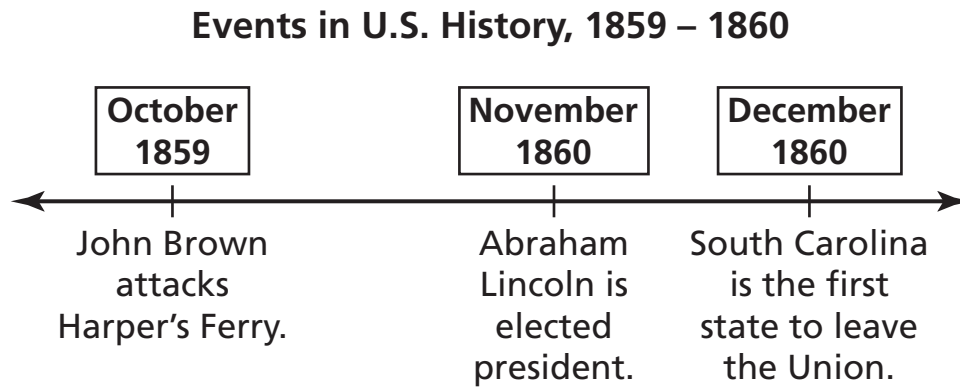
Source: USDA: Economic Research Service

Based on the table, which product was most important to Tennessee's economy?

- F** Soybeans
- G** Chickens
- H** Cattle
- J** Corn

*Go On ►*

**15** Study the timeline below.



**The events shown in the timeline all led to the**

- A** start of the Civil War.
- B** passage of the Bill of Rights.
- C** purchase of the Louisiana Territory.
- D** establishment of the State of Franklin.

**16** Study the passage below.

On June 27 we reached the vicinity [area around] of the port and pitched [set up] camp, which was composed of 15 tents. . . . No sooner had the expedition gone into camp than many . . . Indians appeared in a friendly manner . . . Their satisfaction [joy] increased when they experienced the kindness with which we treated them . . .

— Father Francisco Palou,  
California, 1776

**Based on the passage, what was an important goal of the Spanish who were establishing a mission in California?**

- F** to discover natural resources
- G** to learn about the native cultures
- H** to make money from local trade
- J** to be on peaceful terms with local groups

**17** Which document created the first democratic government in the American colonies?

- A** the Mayflower Compact
- B** the Articles of Confederation
- C** the Declaration of Independence
- D** the United States Constitution

*Go On ►*

**18** Study the information below.

- Used by early settlers to transport goods
- Empties into the Gulf of Mexico

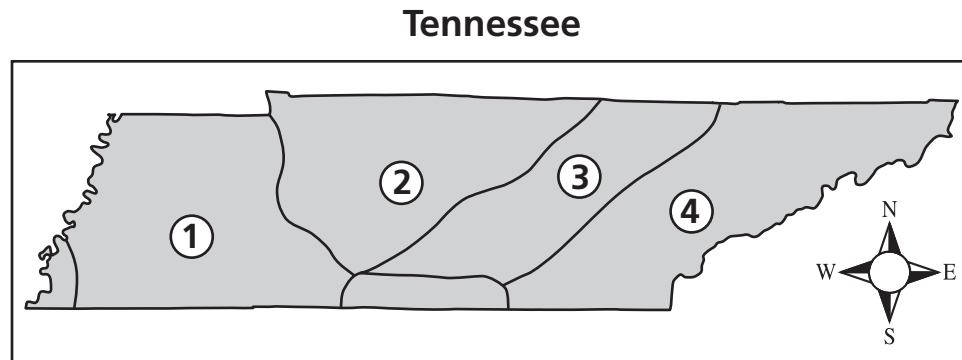
Which river system is described?

- F** Charles
- G** Hudson
- H** Mississippi
- J** Mystic

**19** During the Constitutional Convention of 1787, representatives from Virginia and New Jersey introduced plans to solve the problem of

- A** a president with too much power.
- B** a weak Supreme Court.
- C** taxation without representation.
- D** unequal representation in Congress.

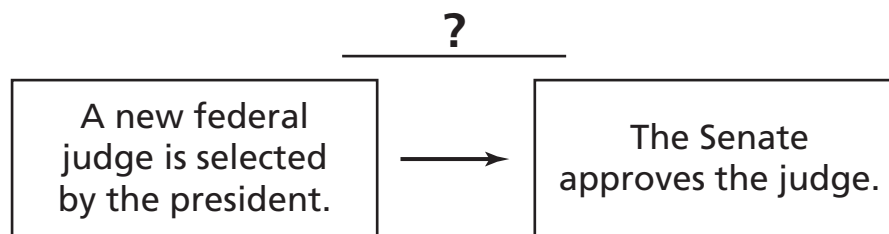
**20** Study the map below.



Which number on the map shows the home of the Cherokee tribe?

- F** 1
- G** 2
- H** 3
- J** 4

**21** Study the diagram below.

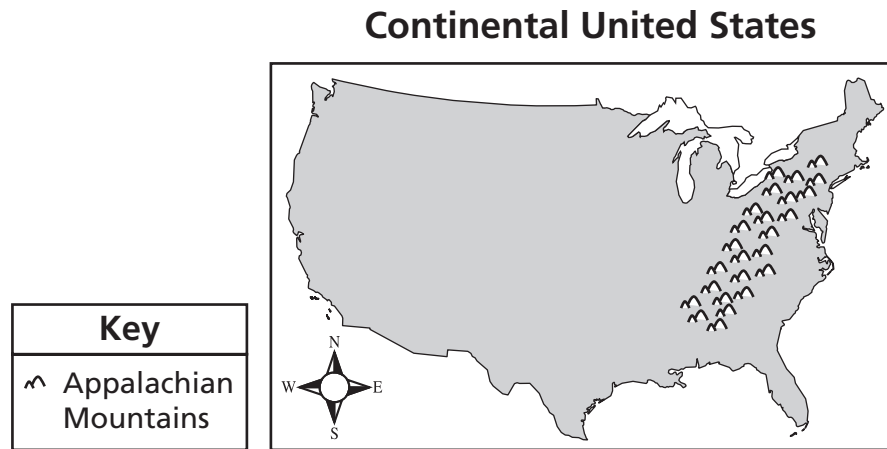


Which title best completes the diagram?

- A** Electing Legislative Representation
- B** Changing the Constitution
- C** Legislative Check on Executive Branch
- D** Protection of State and Local Laws

*Go On ►*

**22** Study the map below.

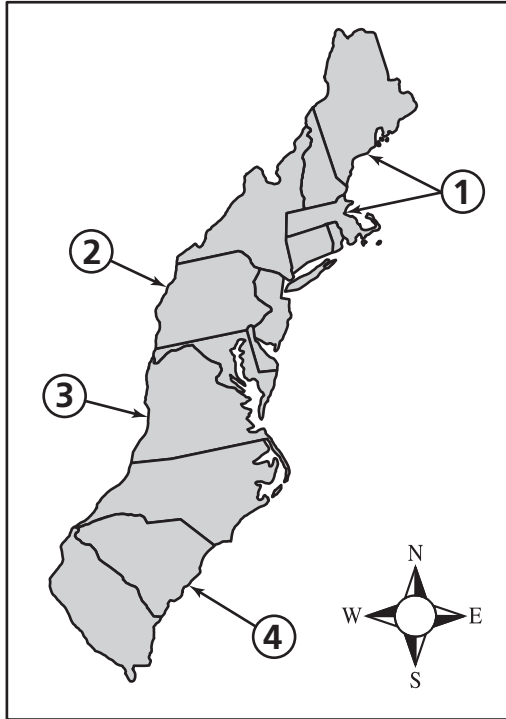


**What physical process created the mountain range shown on the map?**

- F** erosion
- G** flooding
- H** plate tectonics
- J** volcanic eruptions

**23** Study the map below.

**The Thirteen Colonies**

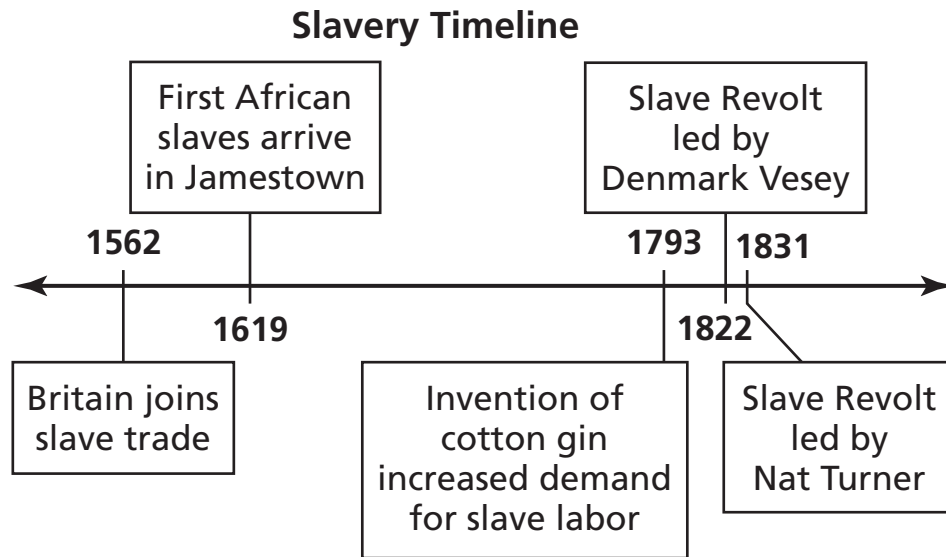


Which number represents the colony that had shipbuilding as its major industry?

- A** 1
- B** 2
- C** 3
- D** 4

*Go On ►*

**24** Study the timeline below.



**Which statement is supported by the timeline?**

- F** Expansion of rights for slaves came in 1619.
- G** Fewer states allowed slavery after 1793.
- H** An increase in the number of slaves led to revolts.
- J** Fewer farms required slavery after the invention of the cotton gin.

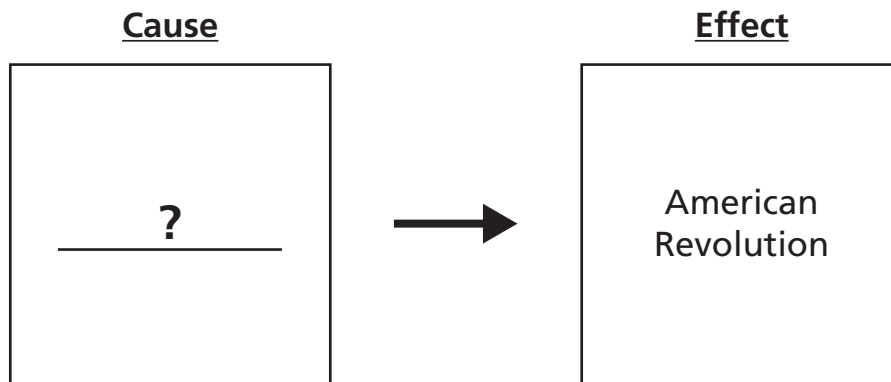
**25** Study the information below.

- Governor of Tennessee
- U.S. congressman
- Supported annexation of Texas

The accomplishments listed describe which individual?

- A** Andrew Jackson
- B** Sam Houston
- C** James Polk
- D** David Crockett

**26** Study the diagram below.

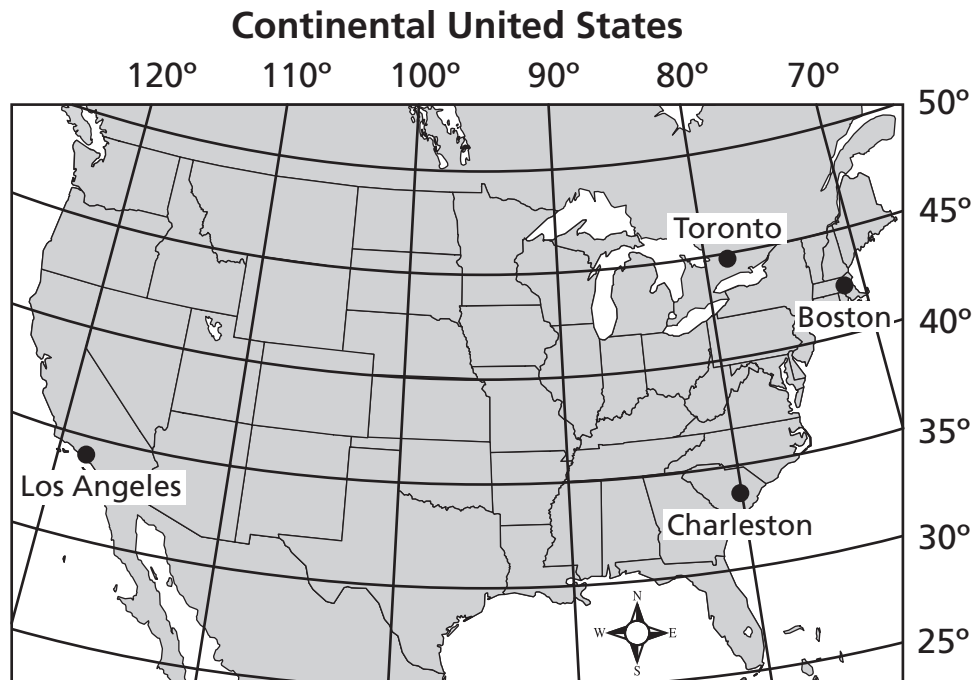


Which cause best completes the diagram?

- F** Success of southern tobacco crops
- G** Laws that limited religious freedom
- H** Increased representation for colonists
- J** Forced quartering of British troops

*Go On ►*

**27** Study the map below.



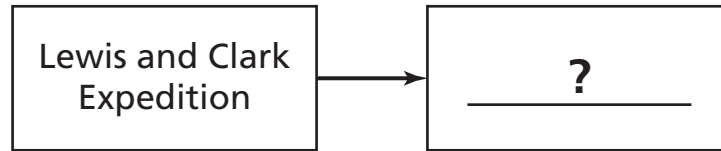
Using the map, which city is located near 45° N and 79° W on the map?

- A** Los Angeles
- B** Toronto
- C** Boston
- D** Charleston

**28** Which situation is an example of a person using a money system?

- F** John exchanges a banana for two oranges.
- G** Sam trades his video game for his sister's bike.
- H** Alexandra's neighbor pays her five dollars for raking his backyard.
- J** Carla agrees to wash the car if her dad will take her to the park.

**29** Study the diagram below.



Which effect best completes the diagram?

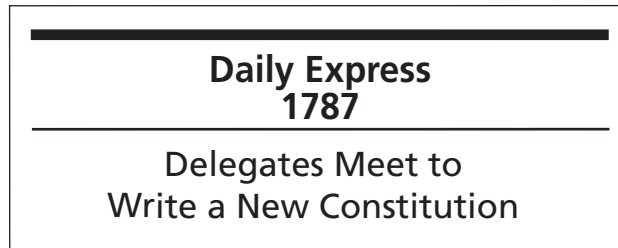
- A** French migration to controlled territories
- B** Development of western settlements
- C** Increase in Native American territory
- D** Decrease in military spending

**30** In the late 1700s, what would a Tennessee settler expect to experience when moving to the area?

- F** isolated communities
- G** dry deserts
- H** many roads
- J** several stores

*Go On ►*

**31** Study the headline below.



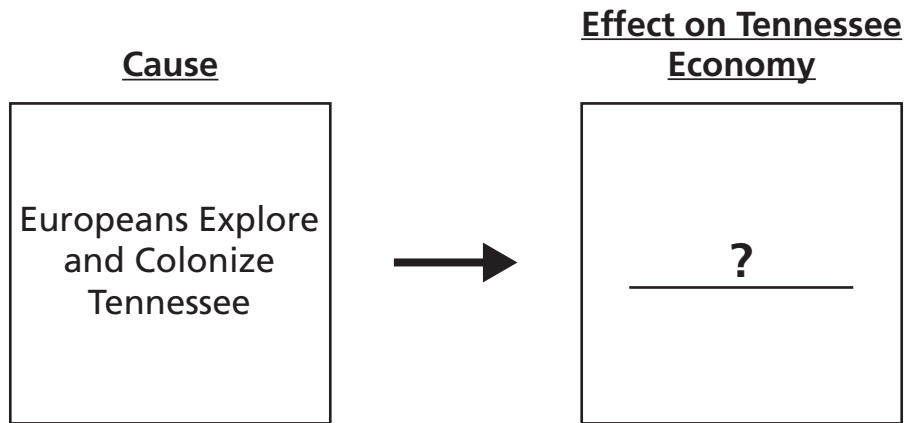
The delegates from this headline met to solve problems with the

- A** Virginia Plan.
- B** Mayflower Compact.
- C** Declaration of Independence.
- D** Articles of Confederation.

**32** Before the American Revolution, why did many colonists want to move west of the Appalachian Mountains?

- F** to avoid attacks by native tribes
- G** to find new farmland for crops
- H** to discover valuable oil resources
- J** to avoid paying colonial taxes

**33** Study the diagram below.



Which effect best completes the diagram?

- A** Decreased Need for African Laborers
- B** Increased Trade with Native Americans
- C** Decreased Interest in Christian Religions
- D** Increased Settlement of Native Americans

**34** What was one reason people left England and settled at Jamestown?

- F** religious freedom
- G** political equality
- H** private schools
- J** economic opportunities

*Go On ►*

**35** Study the passage below.

The Cherokees are nearly all prisoners. They have been dragged from their houses and [placed] at the forts and military posts, all over the nation. In Georgia, especially, [many] were allowed no time to take anything with them except the clothes they had on. Well-furnished houses were left . . . to [thieves], who, like hungry wolves, follow in the trail of the [Cherokees].

— A Missionary's Description of the Trail of Tears, June 1838

**According to the passage, what was the result of the government's actions?**

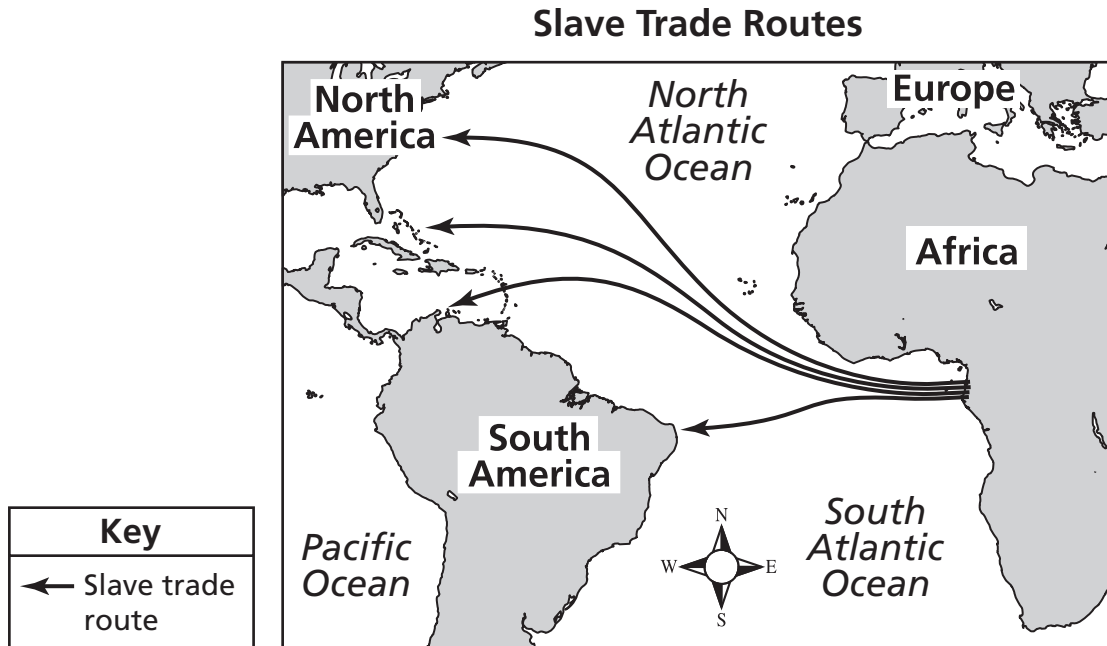
- A** lack of education in the state of Georgia
- B** improved trade among Native Americans
- C** loss of land for the Cherokee people
- D** improved conditions for African slaves

**STOP** 

**DO NOT  
MARK  
ON THIS  
PAGE**

## Part 2

**36** Study the map below.



Which statement is best supported by the map?

- F** The New England states had the most slaves.
- G** Slaves were brought to several locations in the Americas.
- H** French merchants sent the first slaves to Virginia.
- J** Slaves were sent to Africa to work the land.

**37** Which person helps resolve conflicts by ruling on cases?

- A** state representative
- B** police officer
- C** newspaper reporter
- D** court judge

**38** In the 1990s, scientists warned of increasing air pollution mainly caused by the

- F** development of nuclear weapons.
- G** increased number of gasoline-powered cars.
- H** invention of jet engines.
- J** growth of intercontinental railroads.

**39** Which leader served as the only governor of the State of Franklin?

- A** David Crockett
- B** James Polk
- C** Andrew Johnson
- D** John Sevier

**40** Which effect did the Louisiana Purchase have on the United States?

- F** increased land available for settlement
- G** preserved the religious freedom of the country
- H** established a boundary with Canada
- J** provided access to the Pacific Ocean

*Go On ►*

**41** Study the passage below.

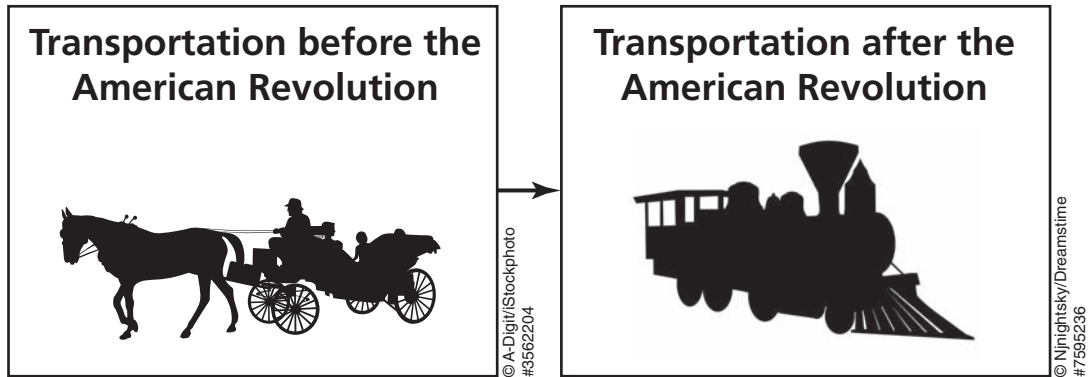
Amending the federal Constitution to include a Bill of Rights was [important] . . . in the [founding] of the United States government. Even though [some] believed that individual rights were fully protected by state and [local laws], they knew that [others] would never [accept] the new Constitution until amendments protecting specific rights were [included].

— Library of Congress Exhibit

**According to the passage, one reason the Bill of Rights was created was to**

- A** preserve the power of national leaders.
- B** list the responsibilities of the president.
- C** guard the freedoms of citizens.
- D** establish the three branches of government.

**42** Study the pictures below.



**How did the change shown affect American citizens?**

- F** People rarely used local roads.
- G** Travelers experienced shorter travel times.
- H** Business owners made smaller profits.
- J** Government controlled travel across the country.

**43** Study the headline below.

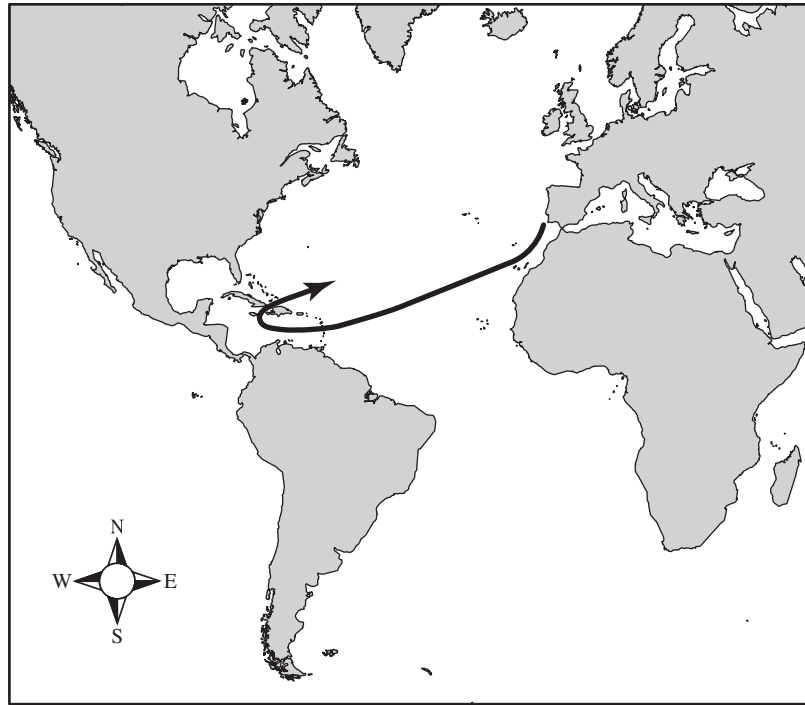


Which amendment is being discussed in the headline?

- A** 1st Amendment
- B** 5th Amendment
- C** 6th Amendment
- D** 8th Amendment

**44** Study the map below.

### Christopher Columbus's Route

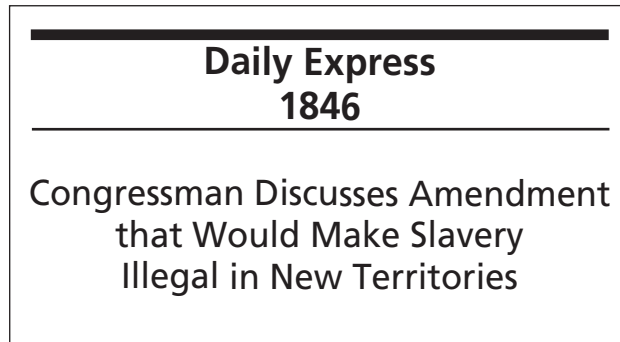


Which ocean does this route cross?

- F** Pacific
- G** Atlantic
- H** Indian
- J** Arctic

*Go On ►*

**45** Study the amendment below.



Which group would most likely be against the passing of this amendment?

- A** plantation owners
- B** Quaker leaders
- C** abolitionist leaders
- D** Massachusetts shipbuilders

**46** Which map shows where the Creek Indians lived in the 1500s?

**F**



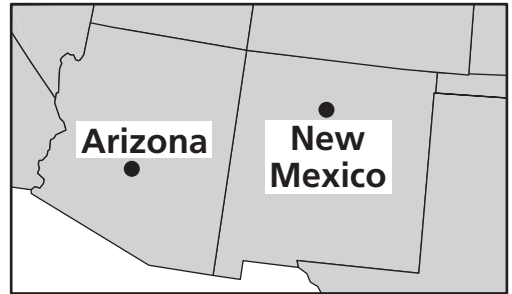
**H**



**G**



**J**



**47** Study the list below.

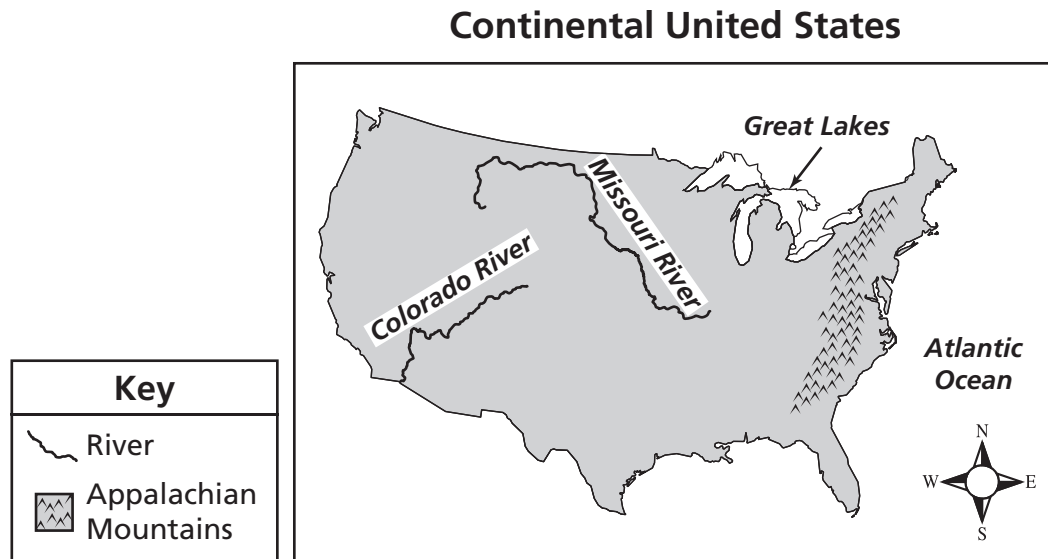
- Written plan for self-government
- Symbol of the first government
- Established in Plymouth

Which document is described in the list?

- A** Declaration of Independence
- B** Charter of Massachusetts Bay
- C** Articles of Confederation
- D** Mayflower Compact

*Go On ►*

**48** Study the map below.



Based on the map, the Appalachian Mountains are located west of the

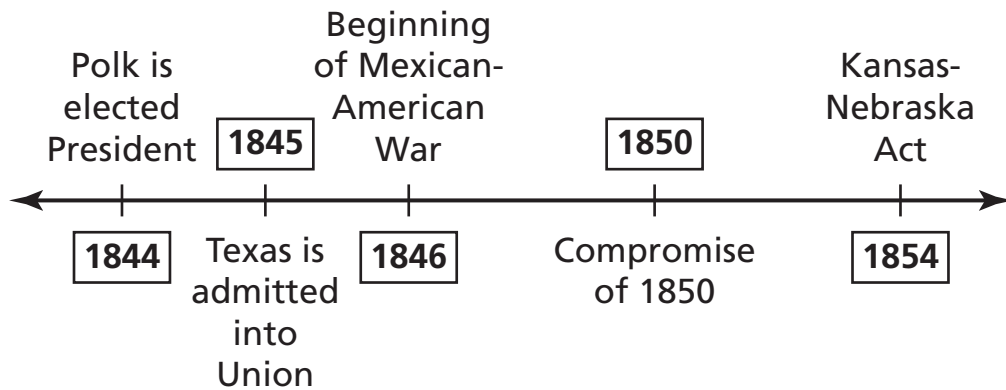
- F** Great Lakes.
- G** Missouri River.
- H** Atlantic Ocean.
- J** Colorado River.

**49** Joe's Shoe Store did not sell many shoes last month. The store is trying to increase the number of shoes it sells per week.

Which change would most likely increase the demand for shoes?

- A** lower prices
- B** more parking spaces
- C** increased store hours
- D** fewer employees

**50** Study the timeline below.



Based on the timeline, when was the Compromise of 1850 established?

- F** before Polk was elected president
- G** after Texas was admitted into the Union
- H** before the start of the Mexican-American War
- J** after the passage of the Kansas-Nebraska Act

**51** Which group was most active in developing the 17th-century fur trade with Native Americans?

- A** French
- B** Spanish
- C** Dutch
- D** Russian

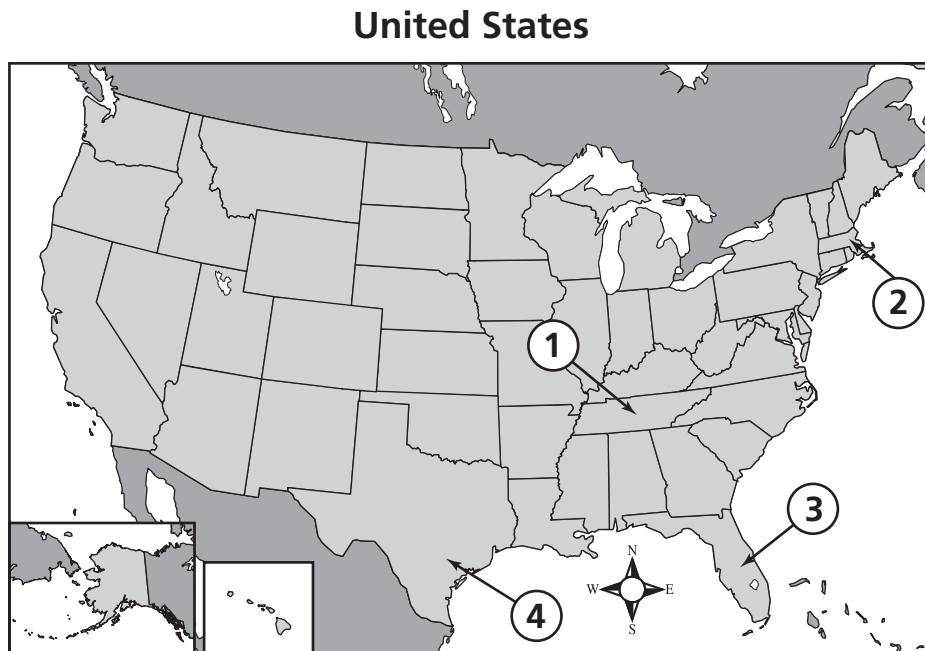
*Go On ►*

**52** Study the information below.

- The Stamp Act required that the colonies pay a direct tax to Great Britain for printed goods.
- The Sugar Act put a tax on sugar and increased taxes on other items.

**What was the result of these acts passed by the British Parliament?**

- F** The colonists declared their independence from Great Britain.
- G** The colonists lowered the prices of local goods.
- H** The colonists began to sell goods to other countries.
- J** The colonists were allowed to have representation in the British Parliament.



Which number shows the state where the Mystic River is located?

- A** 1
- B** 2
- C** 3
- D** 4

**54** Study the document below.

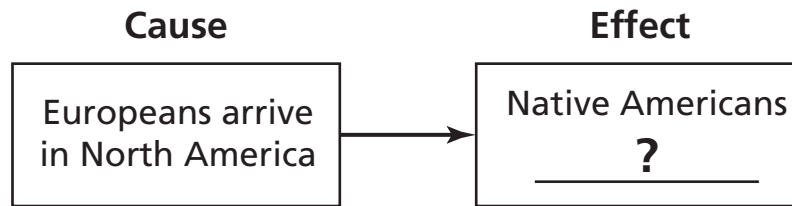
**U.S. Constitution**



**What was one reason for creating the document?**

- F** The first national government was unable to enforce laws.
- G** The judicial branch had too much power.
- H** The first national government lacked a legislative branch.
- J** The executive branch lacked a vice president.

**55** Study the diagram below.



Which effect best completes the diagram?

- A** traded fewer goods
- B** gained more territory
- C** stopped growing crops
- D** decreased in numbers

**56** Events in Tennessee History

- Daniel Boone built a trail through the Cumberland Gap.
- Pioneer families started a settlement on the Watauga River.
- The new settlers created a government modeled on the laws of Virginia.

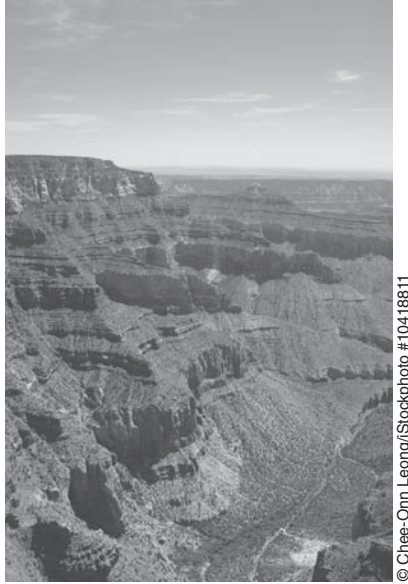
This list shows the first steps pioneers in Tennessee took to

- F** protest unfair taxes.
- G** support the independence of the United States.
- H** avoid fights with British soldiers and Native Americans.
- J** work together and found a state.

*Go On ►*

**57** Study the picture below.

**Grand Canyon**



Which physical process most likely shaped the feature shown in the picture?

- A** volcanic eruptions
- B** coastal flooding
- C** water erosion
- D** plate tectonics

**58** Study the chart below.

**Tennessee Top 5 Agricultural Products, 2010**

	Value of Sales in Thousands
1. Cattle	545,033
2. Soybeans	517,914
3. Chickens	475,589
4. Greenhouse	297,867
5. Corn	287,307

Based on the chart, what helped the Tennessee economy most in 2010?

- F** Cattle
- G** Soybeans
- H** Chickens
- J** Corn

**59** The Lewis and Clark Expedition encouraged the westward expansion of the United States, because the explorers

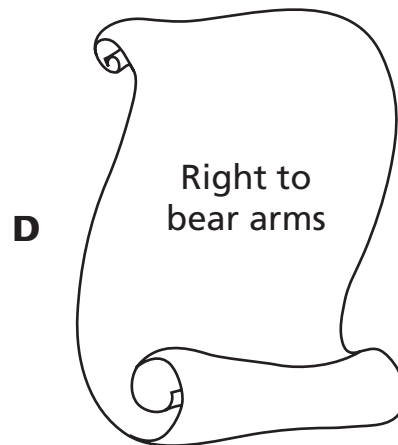
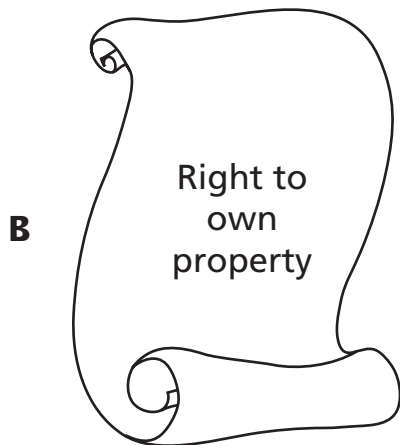
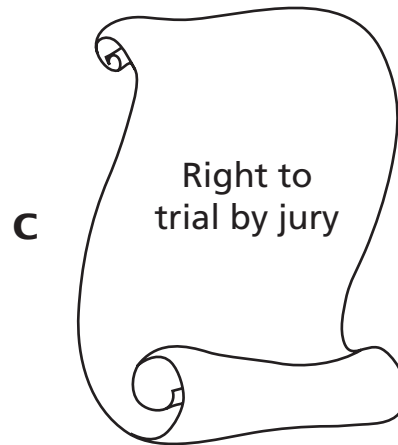
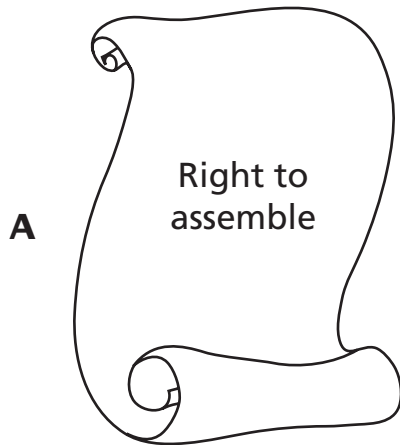
- A** found a water route to the coast.
- B** bought land from the local tribes.
- C** discovered gold in the mountains.
- D** produced accurate maps of the area.

*Go On ►*

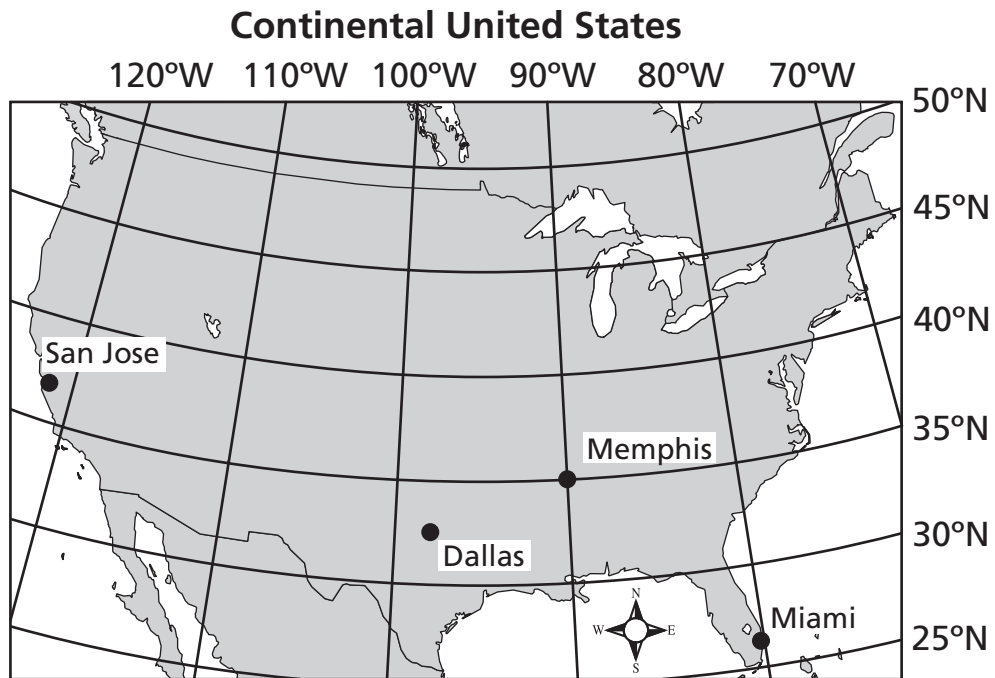
**60** Which group was important in the founding of the state of Tennessee?

- F** Spanish missionaries
- G** American-born pioneers
- H** Portuguese explorers
- J** Canadian-born trappers

**61** Which right is protected by the First Amendment to the United States Constitution?



**62** Study the map below.



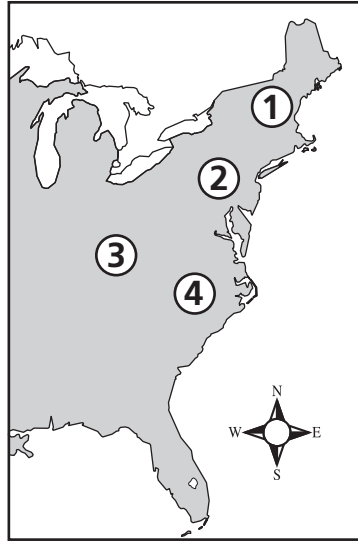
Which major city is located at 26° N and 80° W?

- F** San Jose
- G** Dallas
- H** Memphis
- J** Miami

*Go On ►*

**63** Study the map below.

**Colonial America**



Based on the map, which area's economy was based on growing tobacco?

- A** 1
- B** 2
- C** 3
- D** 4

**64** Study the passage below.

On the morning of November the 17th we [faced] a . . . snowstorm with freezing temperatures . . . the sufferings of the Cherokees were awful. . . . They had to sleep . . . on the ground without fire.

— John G. Burnett,  
1838–1839

Based on the passage, what did the Cherokee experience while traveling the Trail of Tears?

- F** bad weather conditions
- G** protection from soldiers
- H** lack of food supplies
- J** wild-animal attacks

**65** Study the passage below.

Former staff officers saw their commander as a candidate for the presidency[.] Old Hickory was a sure vote getter. During a time of . . . social change, they thought, Americans would leap at the chance to have a president of . . . proven courage and ability.

— Albert Marrin, 2004

Which political leader is being described in the passage?

- A** Sam Houston
- B** Austin Peay
- C** David Crockett
- D** Andrew Jackson

*Go On ►*

**66** Study the list below.

For cutting off our Trade with all parts of the world:  
For [setting] Taxes on us without our [knowledge]:  
For [not allowing] us in many cases, of the [right to] Trial by Jury . . .

— Declaration of Independence, 1776

**The list shows examples of how the King of England**

- F** refused to give colonists basic rights.
- G** was in favor of slavery in the colonies.
- H** depended on gold found in the colonies.
- J** was unable to protect the colonists from attacks.

**67** Before the Civil War, what most likely encouraged urban development in the United States?

- A** lack of housing in major cities
- B** increased demand for agricultural products
- C** lack of natural resources
- D** increase in the number of immigrants

**68** Study the song below.

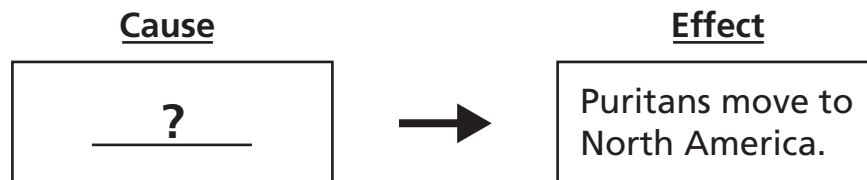
I am an Abolitionist!  
I glory in the name . . .  
I am a soldier for the war . . .  
To all be freedom given,  
That peace and joy may fill the land . . .  
A freeman will I live . . .

— *Song of the Abolitionist*, 1841

Which statement supports the ideas in the song?

- F** Slavery is important to large plantations.
- G** Federal taxes are important to every nation.
- H** People should never be slaves.
- J** Countries must never go to war.

**69** Study the diagram below.



Which cause best completes this diagram?

- A** New businesses
- B** Better schools
- C** Plenty of land
- D** Freedom of religion

# Reading and Language Arts Answer Key

1	B
2	J
3	B
4	J
5	B
6	J
7	B
8	G
9	A
10	J
11	C
12	J
13	B
14	F
15	B
16	H
17	A
18	J
19	B

20	F
21	B
22	F
23	B
24	J
25	B
26	H
27	C
28	H
29	D
30	F
31	D
32	H
33	A
34	H
35	D
36	G
37	D
38	H

39	D
40	H
41	A
42	F
43	D
44	J
45	D
46	F
47	D
48	G
49	C
50	J
51	B
52	F
53	A
54	G
55	C
56	G
57	B

58	H
59	D
60	H
61	C
62	G
63	A
64	F
65	B
66	H
67	B
68	J
69	D
70	F
71	C
72	J
73	C
74	F
75	C

# Mathematics

## Answer Key

1	D
2	H
3	C
4	G
5	D
6	F
7	A
8	J
9	B
10	J
11	D
12	F
13	B
14	G

15	C
16	G
17	D
18	H
19	C
20	J
21	A
22	G
23	A
24	F
25	D
26	G
27	B
28	H

29	B
30	F
31	D
32	F
33	C
34	J
35	B
36	G
37	A
38	H
39	B
40	F
41	A
42	H

43	D
44	G
45	C
46	H
47	D
48	H
49	A
50	G
51	D
52	F
53	D
54	G
55	B

## Science Answer Key

1	C
2	J
3	B
4	G
5	A
6	G
7	A
8	H
9	A
10	J
11	C
12	G
13	C
14	H
15	A
16	J
17	A
18	H

19	C
20	G
21	A
22	H
23	A
24	H
25	A
26	H
27	C
28	H
29	A
30	F
31	C
32	H
33	B
34	J
35	B
36	G

37	D
38	F
39	C
40	J
41	C
42	H
43	D
44	H
45	D
46	G
47	C
48	H
49	C
50	F
51	C
52	F
53	B
54	F

55	C
56	J
57	A
58	H
59	A
60	H
61	C
62	J
63	D
64	F
65	B
66	G
67	D
68	G
69	A

## Social Studies Answer Key

1	B
2	G
3	B
4	H
5	A
6	H
7	B
8	G
9	A
10	J
11	B
12	H
13	C
14	F
15	A
16	J
17	A
18	H

19	D
20	J
21	C
22	H
23	A
24	H
25	C
26	J
27	B
28	H
29	B
30	F
31	D
32	G
33	B
34	J
35	C
36	G

37	D
38	G
39	D
40	F
41	C
42	G
43	C
44	G
45	A
46	F
47	D
48	H
49	A
50	G
51	A
52	F
53	B
54	F

55	D
56	J
57	C
58	F
59	D
60	G
61	A
62	J
63	D
64	F
65	D
66	F
67	D
68	H
69	D















**Tennessee Comprehensive Assessment Program**  
**Achievement Test ~ Grade 4**  
**Practice Test**  
**Version B**



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